

Columbia Basin Socio-Economic Assessment - Phase II Forest Products Data: 1989-2000

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Idaho Rural Partnership
Montana Dept. of Commerce
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Columbia Basin Socio-Economic Assessment – Phase II

Forest Products Data: 1989-2000

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I. Foreword

Foreword

Introduction

The four Pacific Northwest states of Idaho, Montana, Oregon and Washington are conducting a comprehensive socio-economic analysis of the 97-county Columbia Basin¹. This region – located east of the Cascade mountain range and west of the Rockies – is experiencing a wrenching shift within its traditional resource-based economy. Several primary sectors of the Columbia Basin's economy experienced unprecedented pressure during the 1990s – timber and wood products, agriculture, grazing and mining. These industries have been impacted by shifts in federal policy and other forces.

To better understand the socio-economic transition underway in the important forest products sector, Paul F. Ehinger & Associates (Eugene, Oregon) has compiled extensive data on production and employment for this recent period: 1989-2000. These data have been compiled as a Technical Appendix to the Columbia Basin Socio-Economic Analysis – Phase II.

The data in this Technical Appendix are presented to help individuals and groups trying to understand what happened during the 1990s. Summary conclusions appear in the final report for Phase II of the Socio-Economic Analysis. These data show how forces in forest products dramatically changed the economies in rural areas of the Pacific Northwest.

The data which appear in the accompanying Technical Appendix come from several sources:

1. Mill closure data has been collected and compiled for the past 15 years by Paul F. Ehinger & Associates. The sources include the regular news media, trade press, trade association and a greater percentage is developed by personal contacts with the specific mill or company. A further description is in the mill closure section of the data. The information is kept current with the closing of each mill.
2. Operating mill data is also acquired from many of the same sources by Paul F. Ehinger & Associates. The information is current, and changed as soon as new information is available.
3. The employment data for operating mills comes from industry directories, state manufactures registers, trade press and direct mill contacts.
4. Timber resource information is compiled from several sources:
 - Public timber data are collected from the public agencies and audited by Timber Data Company of Eugene, Oregon.
 - Private timber data are compiled by various state forestry agencies, the best (and only) reliable sources available.

¹ Two counties in this geographic area are omitted from the analysis: Ada County (Boise) and Blaine County (Sun Valley), Idaho. Socio-economic indicators for these two counties exceed the four-state average, and they were dropped from further analysis after Phase I of the Assessment.

- A shortcoming is that USDA Forest Service timber harvest data by county is not collected or published for Idaho or Montana. Instead, this report provides harvest data by individual national forest, with the USDA Forest Service land ownership by acreage of each national forest within the county in the study area.

Tribal Timberlands

Tribal lands are an important part of the forest products resource base in the study area. In several counties tribal timberlands are a dominant factor in the timber supply. The following is a summary of the reservations in the study area with a listing of counties where they are located, the total acreage, and whether or not they have significant timber.

Eastern Oregon – Tribal Timberlands

Tribe/Reservation	Counties	Acres	Timber/Non
Warm Springs	Jefferson Wasco	564,000	Timber
Paiute	Harney	11,950	Non timber
Umatilla	Umatilla	95,000	Timber

Eastern Washington – Tribal Timberlands

Tribe/Reservation	Counties	Acres	Timber/Non
Colville	Okanogan Ferry	1,100,000	Timber
Yakama	Yakima Klickitat	1,135,000	Timber
Spokane	Stevens	141,380	Timber
Kalispel	Pend Oreille	7,000	Non timber

Idaho – Tribal Timberlands

Tribe/Reservation	Counties	Acres	Timber/Non
Coeur D'Alene	Benewah Kootenai	69,000	Timber
Nez Perce	Lewis Nez Perce Idaho	93,000	Timber
Fort Hall	Bingham Power Bannock	524,000	Timber (limited)

Western Montana – Tribal Timberlands

Tribe/Reservation	Counties	Acres	Timber/Non
Flathead (Salish)	Lake Sanders Missoula	562,000	Timber

Summary Data – Columbia Basin

- Idaho
- Western Montana
- Eastern Oregon
- Eastern Washington

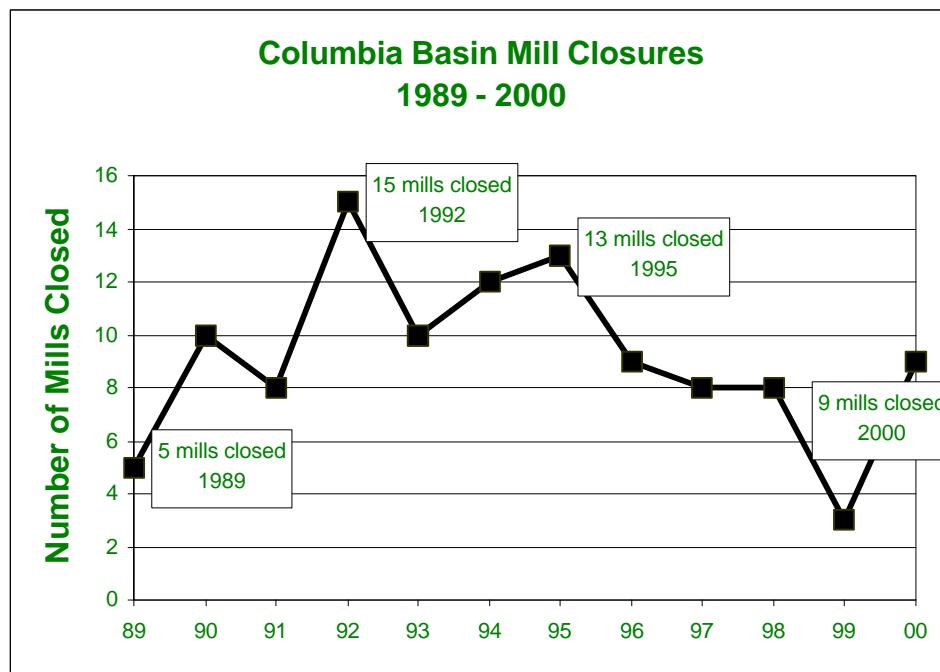
Columbia Basin – Mill Closures 1989-2000

	Mills Closed	Lost Production* (Million Board Feet)	Employment**
Idaho	31	854	1,731
Montana	23	717	1,700
Oregon	34	1,110	3,632
Washington	22	570	1,575
Totals	110	3,251	8,638
Average per Mill		29.6	78.5

* Lumber production only. Does not include production for board / plywood / veneer or pulp.

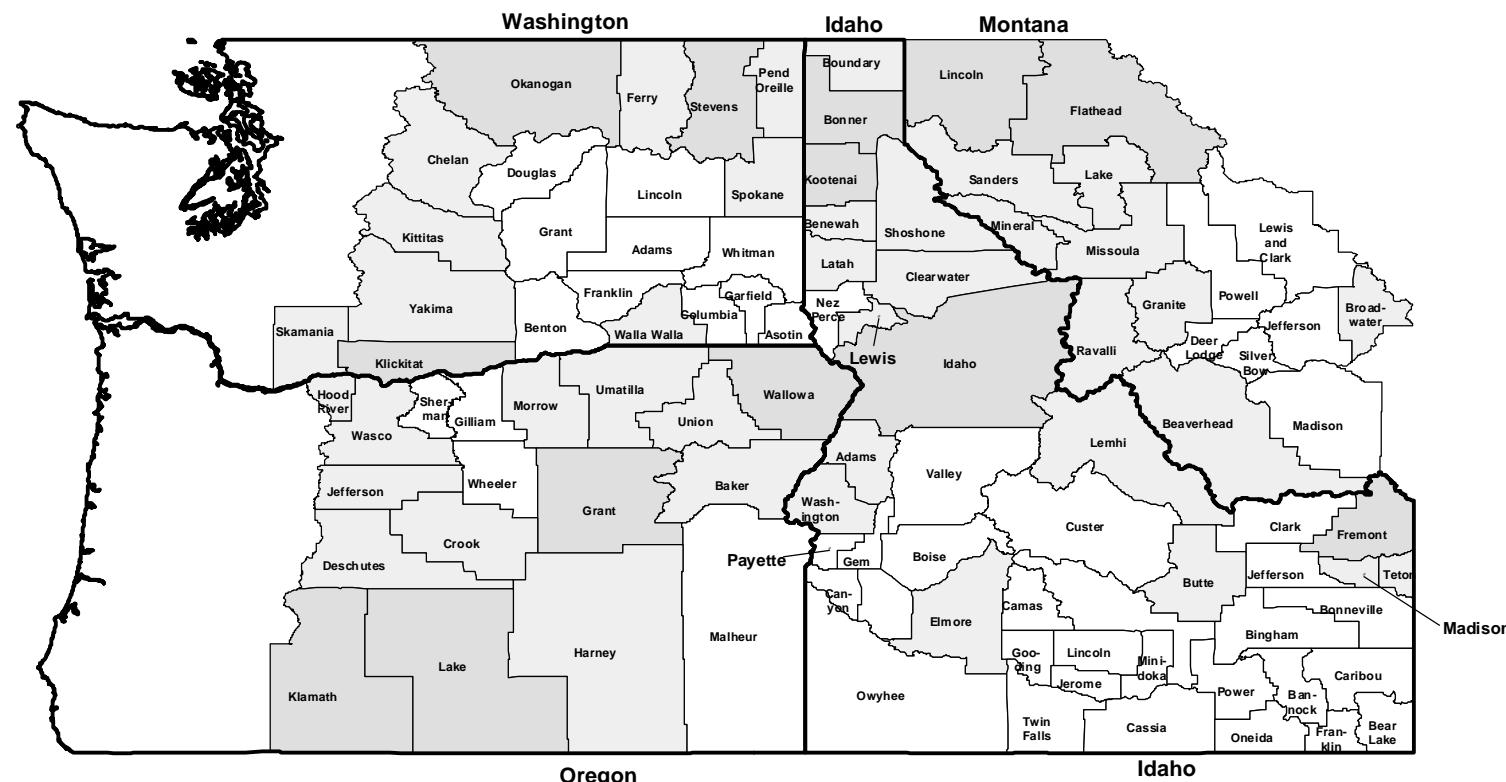
** Does not include woods jobs lost - approximately one woods job for every 3+ mill jobs.

Source: Paul F. Ehinger & Associates



Source: Paul F. Ehinger & Associates

Primary Production Mill Closures by County (1989 - 2000)



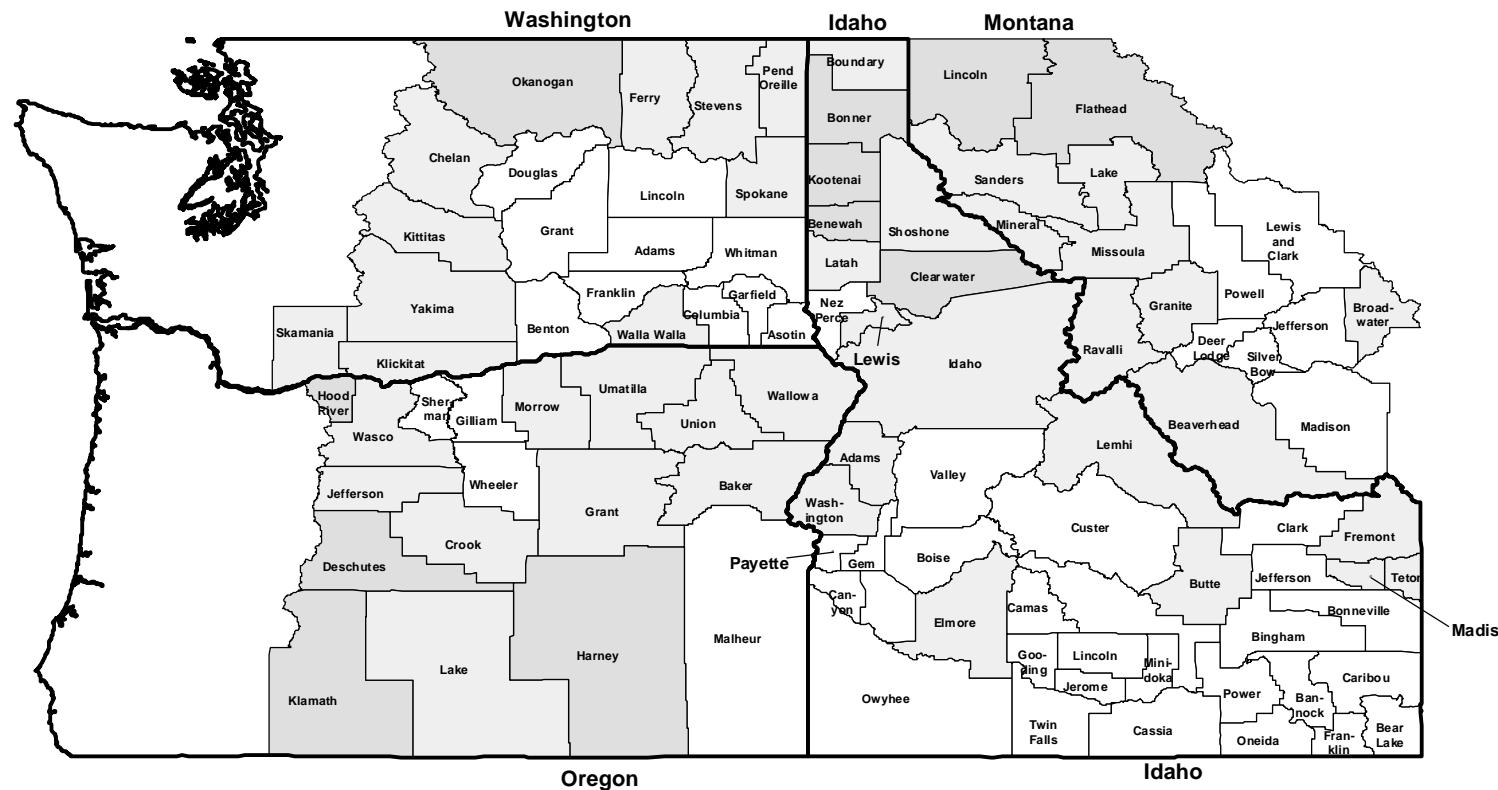
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| 3+ |

Note: Inland Northwest had 110 mill closures

- Idaho had 31 mills close
- Montana had 23 mills close
- Eastern Oregon had 34 mills close
- Eastern Washington had 22 mills close

Primary Production Mill Job Losses by County (1989 - 2000)



Legend:

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|---------|
| 0 |
| 1 - 200 |
| 200+ |

Note: Inland Northwest had 8,638 mill jobs

- Idaho lost 1,731 mill jobs
- Montana lost 1,700 mill jobs
- Eastern Oregon lost 3,632 mill jobs
- Eastern Washington lost 1,575 mill jobs

Columbia Basin
Federal Timber Harvest (1989-1999)
(Million Board Feet)

	1989	1999	Decline	Percent Decline
Idaho	746	217	529	71%
Montana	492	82	410	83%
Oregon	1,404	146	1,258	90%
Washington	434	71	363	84%
Totals	3,076	516	2,560	83%

Source: Paul F. Ehinger & Associates

Columbia Basin
Private Timber Harvest (1989-1999)
(Million Board Feet)

	1989	1999	Decline	Percent Decline
Idaho	799	888	(89)	(11%)
Montana	573	554	19	3%
Oregon	690	398	292	42%
Washington	657	546	111	17%
Totals	2,719	2,386	333	12%

Source: Paul F. Ehinger & Associates

Note: Figures shown in parenthesis represent harvest *increase*.

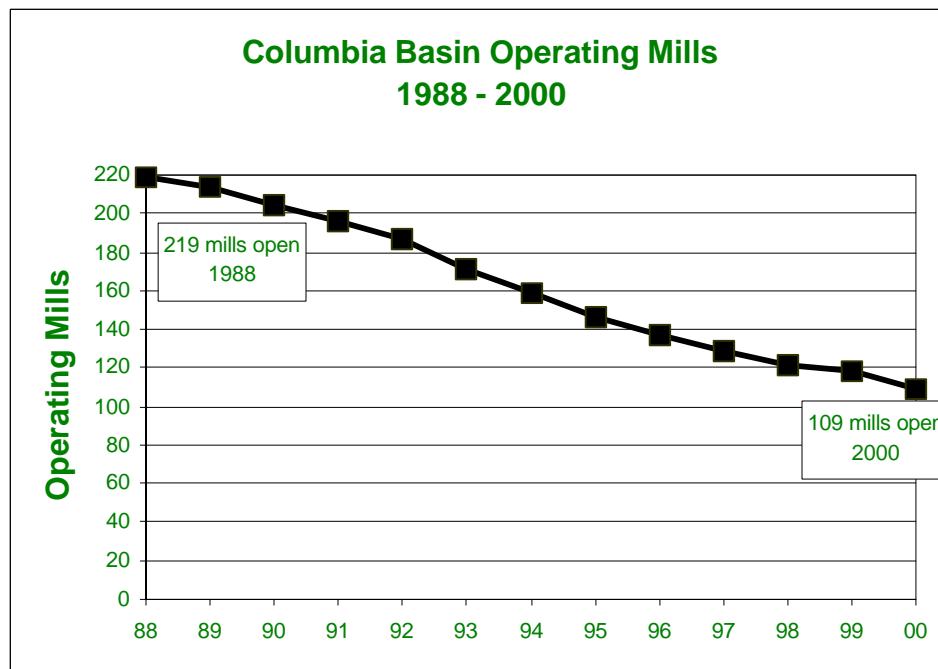
Timber-Related Causes for Columbia Basin Mill Closures (1989-2000)

	1	2	3	Totals
Idaho	9	12	10	31
Montana	10	12	1	23
Oregon	22	6	6	34
Washington	10	6	6	22
Totals	51	36	23	110

Timber related causes:

1. Loss of federal timber supply was *primary reason* for mill closure.
2. Loss of federal timber was *contributing factor* in the mill closure.
3. Loss of federal timber was *not a significant factor* in the mill closure.

Source: Paul F. Ehinger & Associates



Source: Paul F. Ehinger & Associates

Columbia Basin – Operating Mills (February 2001)

	Idaho	Montana	Oregon	Washington	Totals
Sawmills					
Number of mills	32	16	14	18	80
Employment	3,099	1,665	1,445	1,684	7,893
Production	1,909	916	779	775	4,379
Plywood					
Number of mills	2	4	2	3	11
Employment	410	1,165	675	605	2,855
Production	345	655	390	515	1,905
Board					
Number of mills	1	2	5	1	9
Employment	58	305	855	40	1,375
Production	65	269	795	20	1,121
Veneer					
Number of mills	4	0	0	0	4
Employment	175				58
Production	37				65
Pulp					
Number of mills	1	1	0	3	5
Employment	1,500	700		853	3,053
Production	1,450	1,600		2,020	5,070
Totals:					
Number of mills	40	23	21	25	109
Employment	5,242	3,835	2,975	3,182	15,234
Production (lumber)	1,909	916	779	775	4,379
Production (ply/board)	447	924	1,185	535	3,091
Production (pulp)	1,450	1,600	0	2,020	5,070

Production totals for lumber are shown in million board feet; for plywood, veneer and board in million square feet; for pulp in tons per day
Source: Paul F. Ehinger & Associates

Columbia Basin – Closed Sawmills
Annual Production
(1989-2000)

	Mills	Total Production (Million Board Feet)	Average Per Mill (Million Board Feet)	Employees	Average Per Employee (Board Feet)
Idaho	29	842	29.0	1,416	595,000
Montana	23	717	31.2	1,700	422,000
Oregon	26	1,110	42.7	2,817	394,000
Washington	18	570	31.7	1,167	488,000
Totals	96	3,239	33.7	7,100	456,000

Source: Paul F. Ehinger & Associates

Columbia Basin – Operating Sawmills
Annual Production
(1989-2000)

	Mills	Total Production (Million Board Feet)	Average Per Mill (Million Board Feet)	Employees	Average Per Employee (Board Feet)
Idaho	32	1,909	59.7	3,099	616,000
Montana	16	916	57.3	1,665	550,000
Oregon	14	779	55.6	1,445	539,000
Washington	18	775	43.1	1,684	460,000
Totals	80	4,379	54.7	7,893	555,000

Source: Paul F. Ehinger & Associates

Lumber Production – Columbia Basin Million Board Feet

	E. Oregon	E. Washington	Idaho	Montana*	Total
1989	1,854	1,121	2,133	1,567	6,675
1990	1,682	997	2,034	1,459	6,172
1991	1,565	942	1,919	1,362	5,788
1992	1,330	994	1,958	1,455	5,737
1993	1,136	856	1,860	1,412	5,264
1994	1,084	917	1,849	1,310	5,160
1995	792	864	1,662	1,191	4,509
1996	885	661	1,802	1,170	4,518
1997	949	718	1,852	1,234	4,753
1998	921	678	1,908	1,304	4,811
1999	895	758	1,975	1,345	4,973

*Note: Montana figures shown are for the entire state; the Columbia Basin study area represents about 90% of the state lumber production.

Summary Data – Pacific Northwest

- **Northern California**
- **Idaho**
- **Montana**
- **Oregon**
- **Washington**

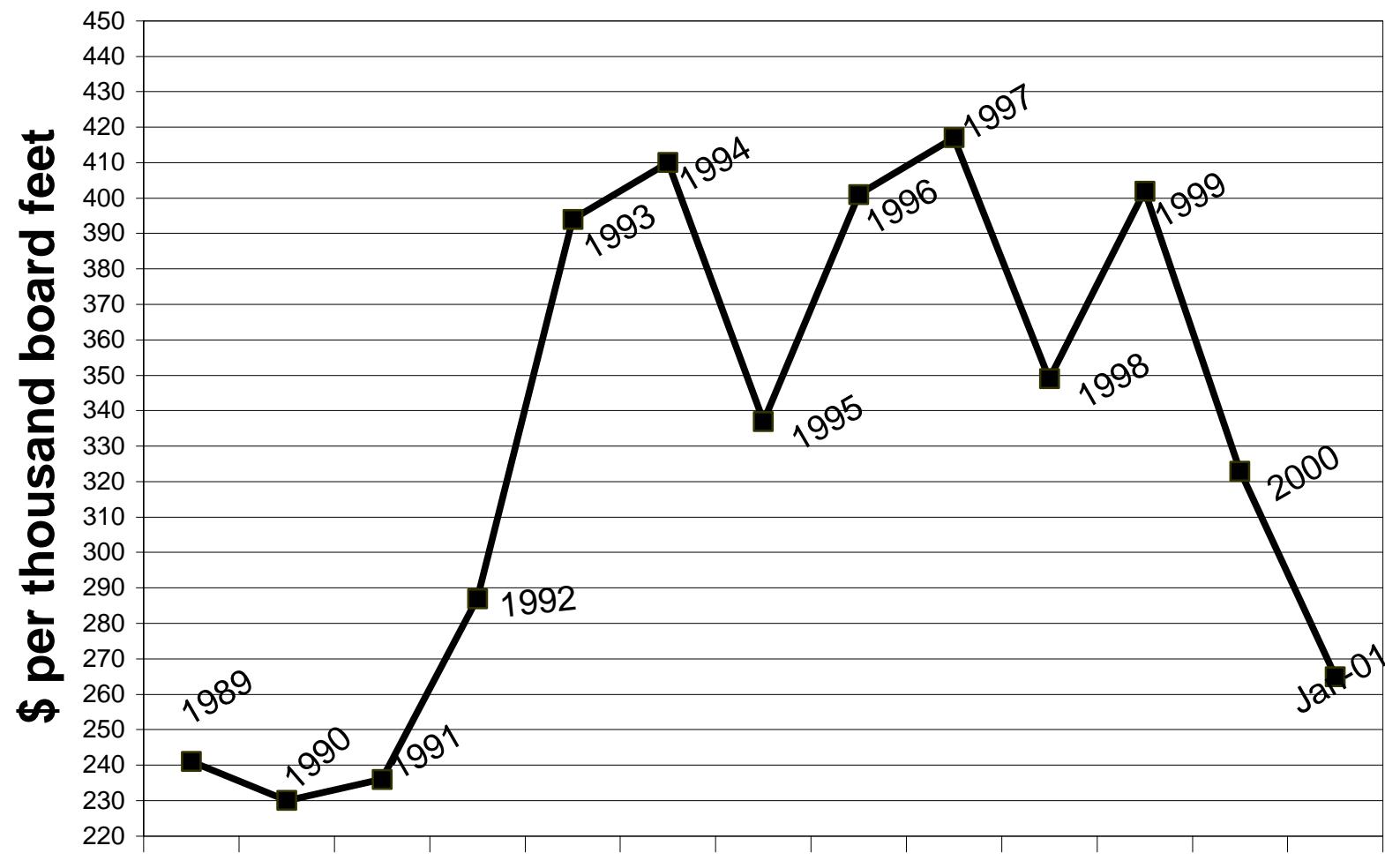
Plants in Operation
Oregon / Washington / California / Idaho / Montana

	NO. OF PLANTS					
	Sawmills	Plywood Plants	Veneer Plants	Board Plants	Pulp Mills	Total
Western Oregon	66	27	16	12	10	131
Eastern Oregon	14	2	0	5	0	21
Total Oregon	80	29	16	17	10	152
Western Wash.	56	5	7	0	10	78
Eastern Wash.	18	3	0	1	3	25
Total Wash.	74	8	7	1	13	103
California	42	0	2	5	2	51
Idaho	32	2	4	1	1	40
Western Montana	16	4	0	2	1	23
Eastern Montana	4	0	0	0	0	4
Total Montana	20	4	0	2	1	27
TOTAL	248	43	29	26	27	373

Softwood Lumber Production
Pacific Northwest
Million Board Feet

	1 OR	2 WA	3 CA	4 ID	5 MT	Total
1989	8,390	4,003	5,320	2,133	1,567	21,413
1990	7,421	3,648	4,981	2,034	1,459	19,543
1991	6,473	3,581	4,218	1,919	1,362	17,553
1992	6,107	3,794	3,997	1,958	1,455	17,311
1993	5,326	3,555	3,539	1,860	1,412	15,692
1994	5,577	3,876	3,521	1,849	1,310	16,133
1995	4,833	3,764	3,169	1,662	1,191	14,619
1996	5,288	3,596	3,257	1,802	1,170	15,113
1997	5,289	3,851	3,432	1,859	1,234	15,665
1998	5,486	3,913	3,188	1,908	1,304	15,799
1999	6,056	4,224	3,216	1,975	1,345	16,816
Decline 1989 thru 1999	2,334	221	2,104	158	222	4,597
 (+gain)						
% of Decline	-28%	6%	-40%	-7%	-14%	-21%

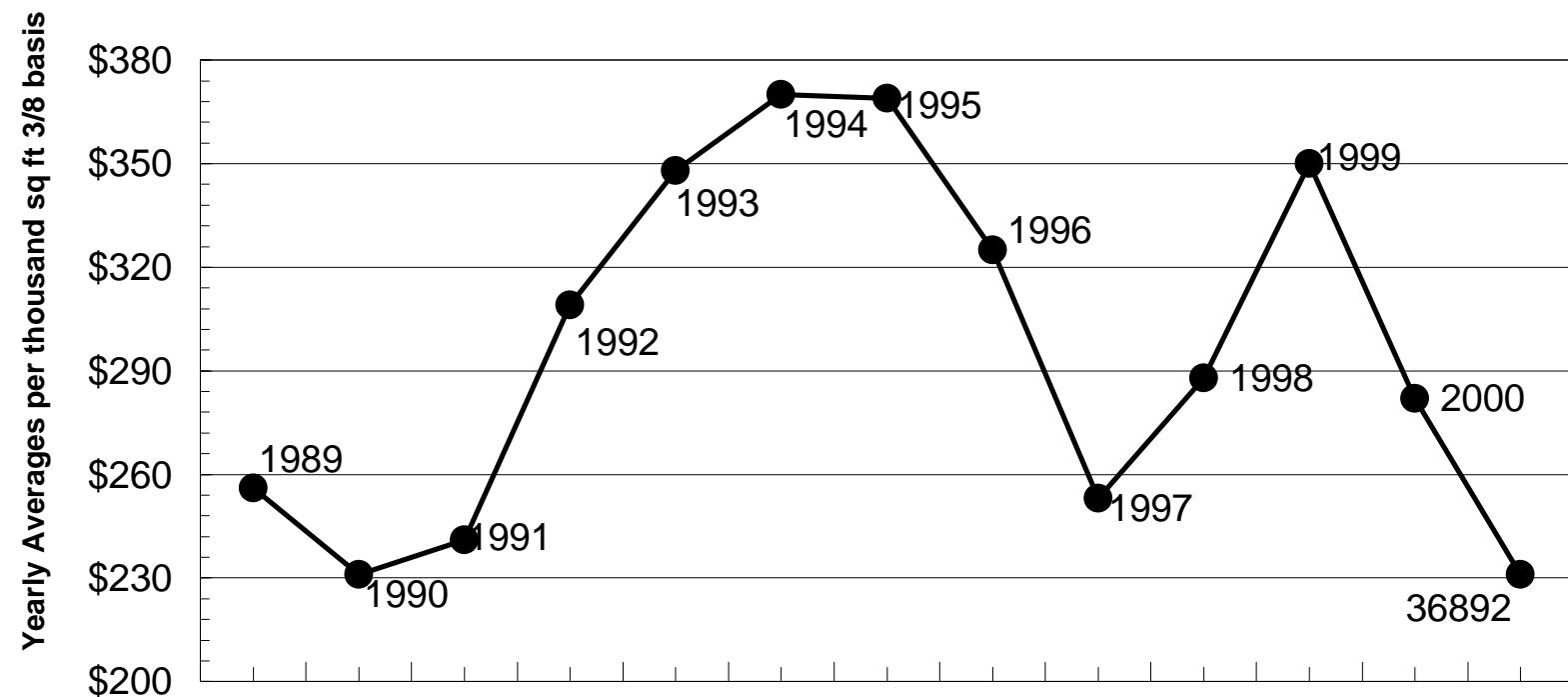
Framing Lumber Yearly Average Composite Price 1989-2001



Softwood Plywood Production
Pacific Northwest
Million Square Feet 3/8 Basis

	1	2	3	4	5	
	OR	WA	CA	ID	MT	PNW Total
1989	6,775	1,462	94	590	726	9,647
1990	5,962	1,255	62	593	711	8,583
1991	4,952	1,173	58	590	610	7,383
1992	4,767	1,156	59	610	705	7,297
1993	4,113	1,243	0	582	707	6,645
1994	4,294	1,151	0	600	580	6,625
1995	3,824	1,140	0	600	618	6,182
1996	3,773	1,045	0	414	596	5,828
1997	3,471	986	0	429	595	5,481
1998	3,492	978	0	362	618	5,450
1999	3,510	1,152	0	398	633	5,693
Decline 1989 thru 1999	3,326	310	94	192	93	4,197
% of Decline	49%	21%	100%	33%	13%	42%

Structural Panel Yearly Average Composite Price 1989-2001

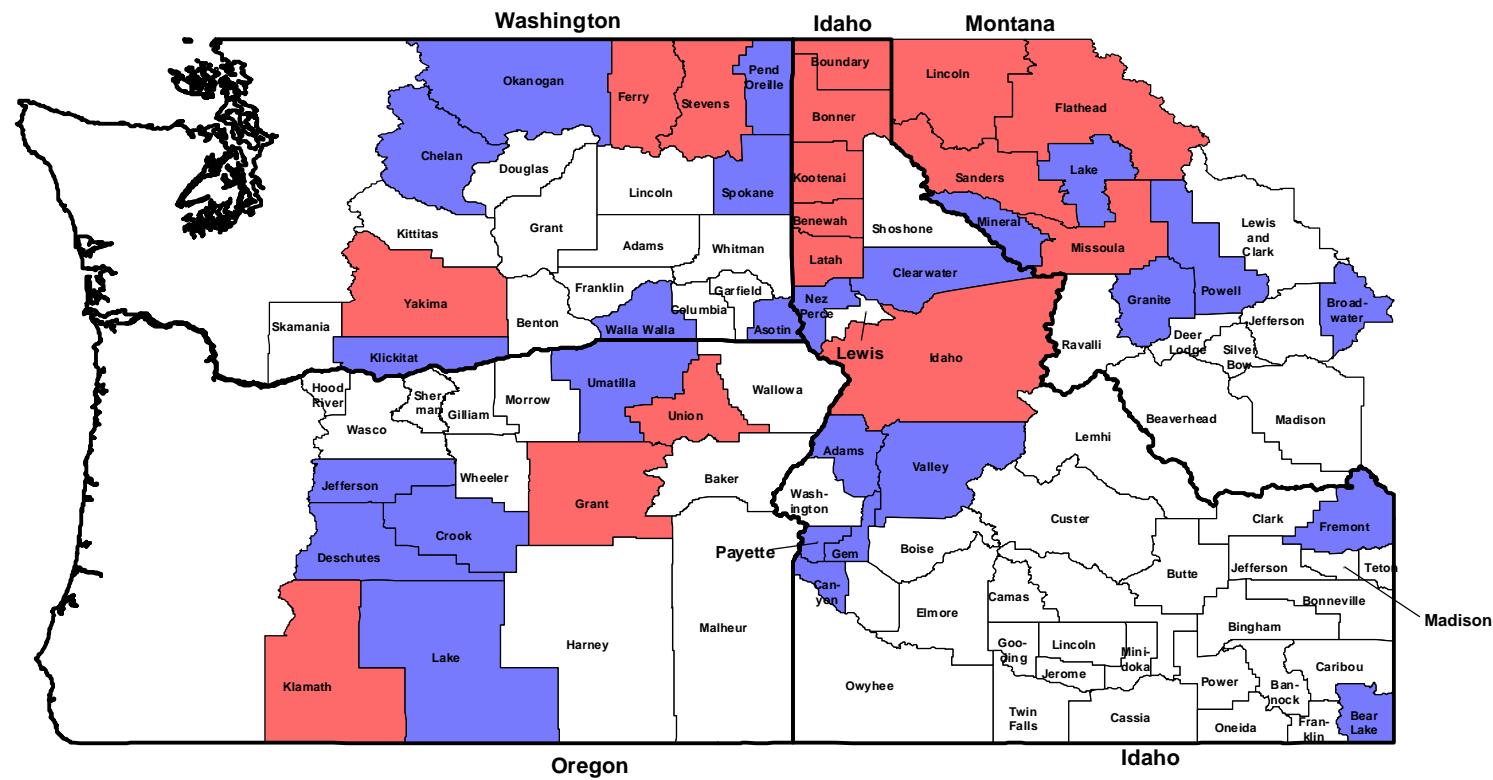


Structural panel items making up index was changed in 1997 to accommodate the increased production of oriented strand board (OSB)

PFE & Assocs. 3/01

II. Operating Mills

Primary Production Mills Still in Operation by County



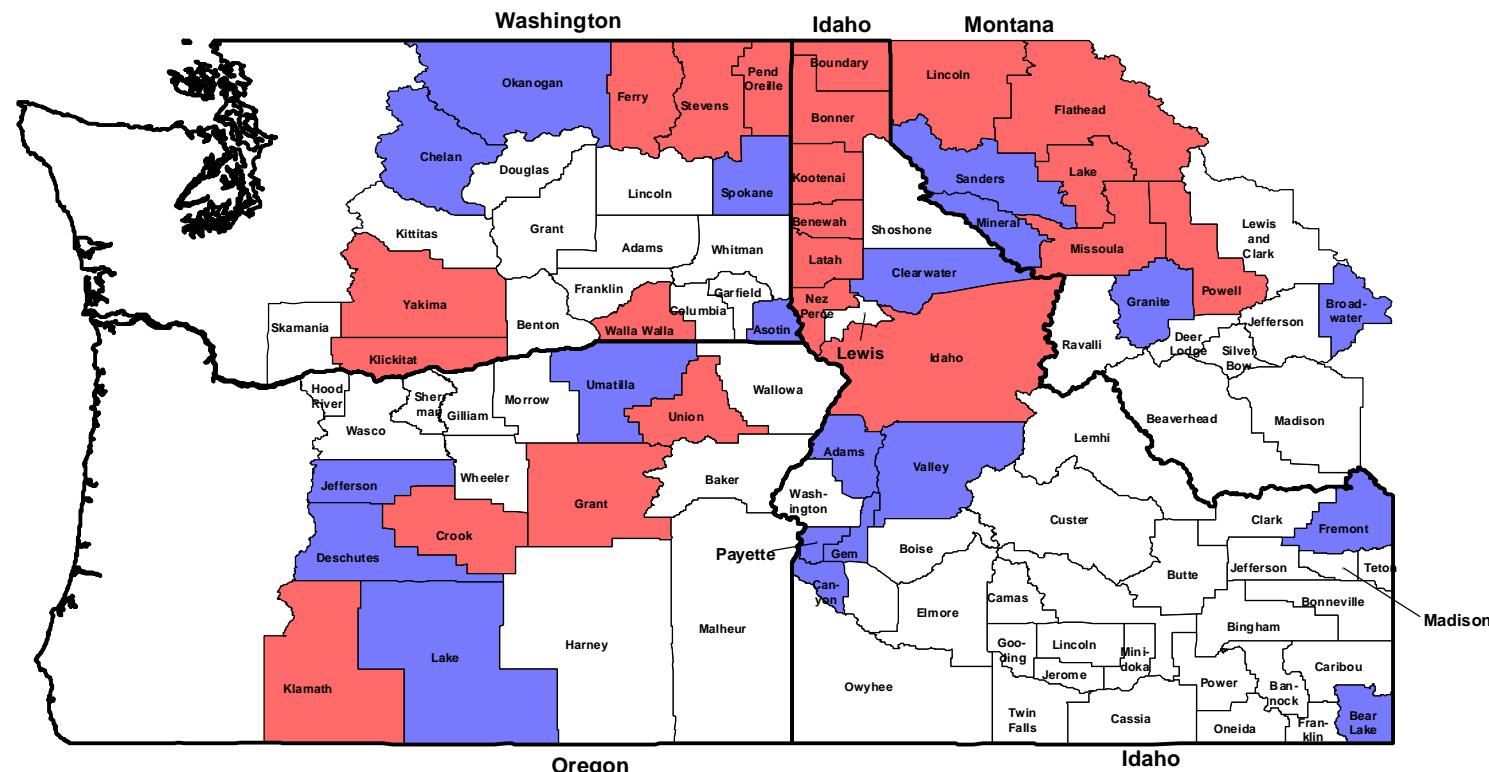
Legend:

	0
	1 - 2
	3+

Note: Inland Northwest has 109 mills in operation

- Idaho has 40 mills in operation
- Montana has 23 mills in operation
- Eastern Oregon has 21 mills in operation
- Eastern Washington has 25 mills in operation

Primary Production Mill Jobs at Operating Mills by County



Legend:

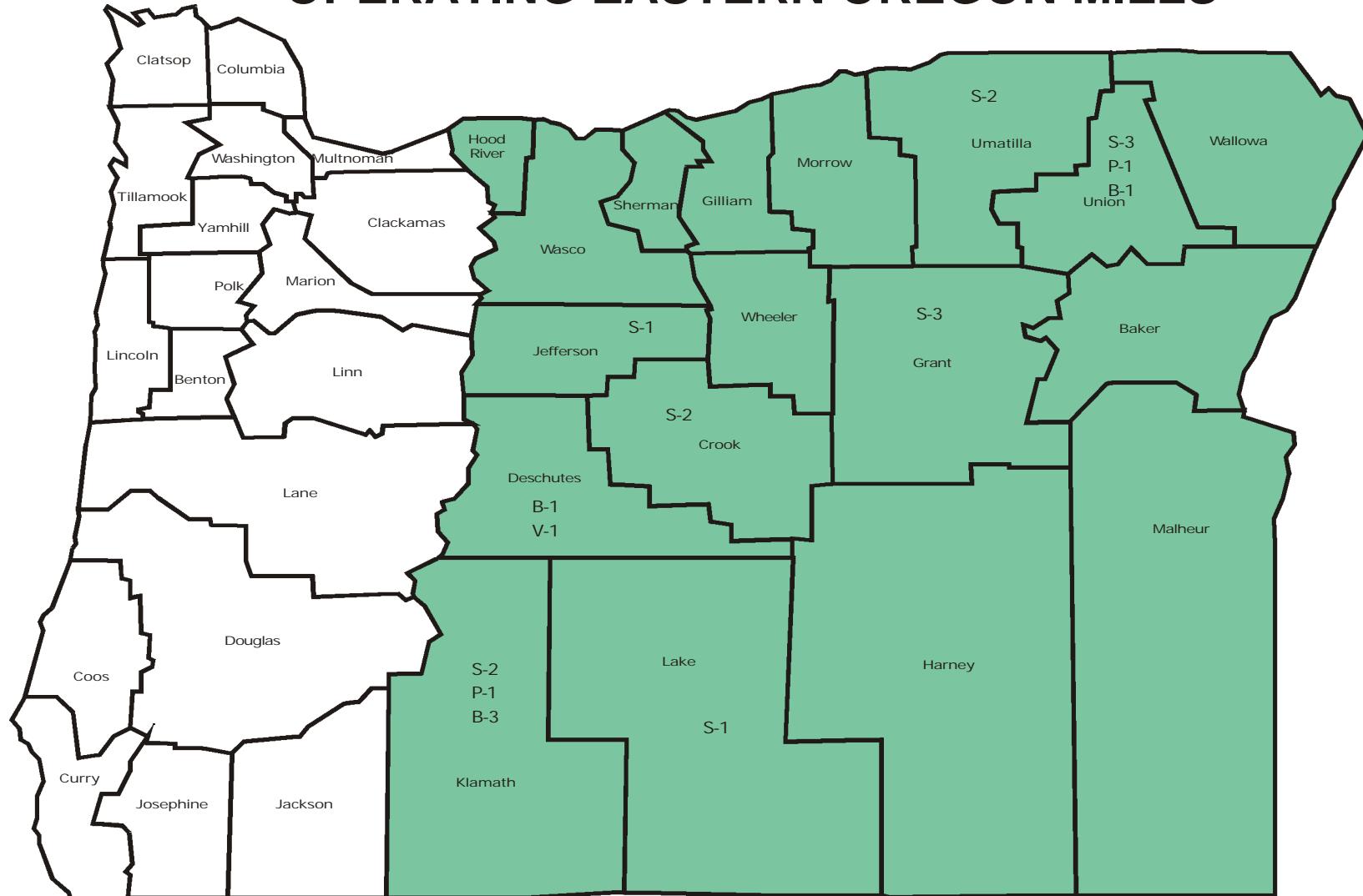
	0
	1 - 200
	200+

Note: Inland Northwest has 15,234 mill jobs

- Idaho has 5,242 mill jobs
- Montana has 3,835 mill jobs
- Eastern Oregon has 2,975 mill jobs
- Eastern Washington has 3,182 mill jobs

Operating Mills Eastern Oregon

OPERATING EASTERN OREGON MILLS



Paul F. Ehinger & Assoc.s.
2/01

S= Sawmills = 14
P=Plywood plants = 2
V=Veneer plants = 1
B= Board plants = 5

Open Eastern Oregon Sawmills By County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	CROWN PACIFIC	PRINEVILLE	OR	CROOK	115	70 MMBF
2	OCHOCO LUMBER CO.	PRINEVILLE	OR	CROOK	140	50 MMBF
3	JOHNSON, D.R. LUMBER	JOHN DAY	OR	GRANT	110	36 MMBF
4	JOHNSON, D.R. LUMBER	PRAIRIE CITY	OR	GRANT	95	48 MMBF
5	OCHOCO/MALHEUR LUMBER CO.	JOHN DAY	OR	GRANT	90	25 MMBF
6	WARM SPRINGS FOREST PRODUCTS	WARM SPRINGS	OR	JEFFERSON	140	76 MMBF
7	CROWN PACIFIC	GILCHRIST	OR	KLAMATH	225	120 MMBF
8	THOMAS LUMBER CO./JELD-WEN	KLAMATH FALLS	OR	KLAMATH	40	36 MMBF
9	COLLINS PINE CO./FREMONT SAWMILL	LAKEVIEW	OR	LAKE	80	26 MMBF
10	BLUE MOUNTAIN LUMBER PRODS.	PENDELTON/REITH	OR	UMATILLA	85	45 MMBF
11	KINZUA RESOURCES PMI	PILOT ROCK	OR	UMATILLA	100	72 MMBF
12	BOISE CASCADE	LAGRANDE	OR	UNION	95	75 MMBF
13	BOISE CASCADE	ELGIN	OR	UNION	95	45 MMBF
14	TREESOURCE/WTD	NORTH POWDER	OR	UNION	35	55 MMBF
Total Mills: 14				Totals:	1,445	779 MMBF

Open Eastern Oregon Plywood Plants by County

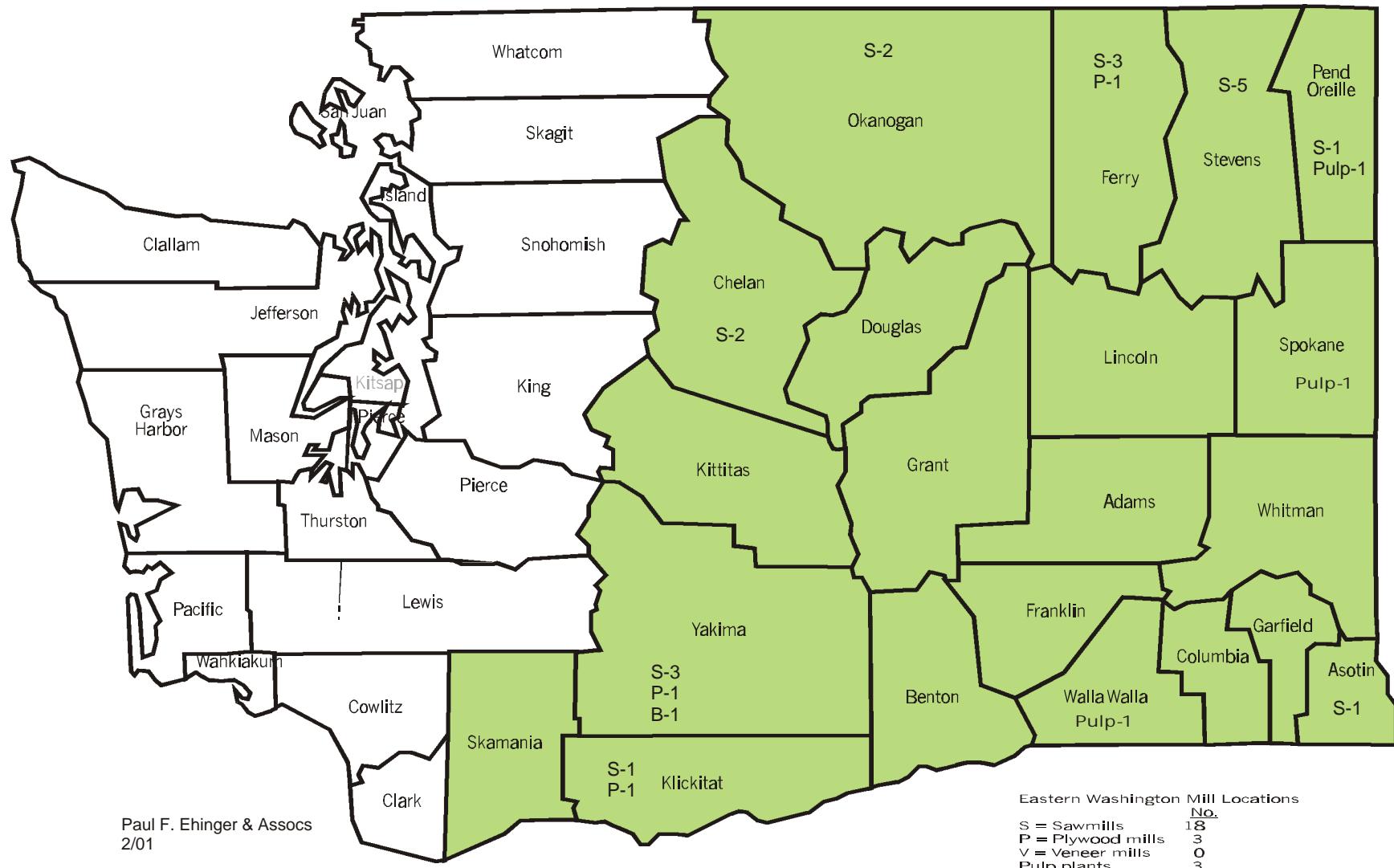
	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	COLUMBIA FOREST PRODUCTS	KLAMATH FALLS	OR	KLAMATH	450	190 MMSF3/8"
2	BOISE CASCADE	ELGIN	OR	UNION	225	200 MMSF3/8"
Total Mills: 2				Totals:	675	390

Open Eastern Oregon Board Plants by County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	WILLAMETTE INDUSTRIES INC.	BEND	OR	DESCHUTES	170	160 MMSF3/4"
2	COLLINS PINE CO.	KLAMATH FALLS	OR	KLAMATH	260	110 MMSF3/4"
3	COLLINS PINE CO.	KLAMATH FALLS	OR	KLAMATH	210	325 MMSF1/8"
4	JELD-WEN	KLAMATH FALLS	OR	KLAMATH	50	20 MMSF3/4"
5	BOISE CASCADE	LAGRANDE	OR	UNION	165	180 MMSF3/4"
Total Mills: 5				Totals:	855	795

Operating Mills Eastern Washington

OPERATING EASTERN WASHINGTON MILLS



Open Eastern Washington Sawmills By County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	BENNETT LUMBER PRODUCTS	CLARKSTON	WA	ASOTIN	140	40 MMBF
2	KOMPAN	ENTIAT	WA	CHELAN	15	3 MMBF
3	LONGVIEW FIBRE	WINTON	WA	CHELAN	120	80 MMBF
4	BOISE CASCADE	KETTLE FALLS	WA	FERRY	145	72 MMBF
5	COLUMBIA CEDAR	KETTLE FALLS	WA	FERRY	45	10 MMBF
6	VAAGEN BROTHERS LBR	REPUBLIC	WA	FERRY	110	50 MMBF
7	SDS LUMBER CO.	BINGEN	WA	KLICKITAT	125	40 MMBF
8	COLVILLE INDIAN PREC. PINE CO.	OMAK	WA	OKANOGAN	180	70 MMBF
9	ZOSEL LUMBER CO.	OROVILLE	WA	OKANOGAN	4	14 MMBF
10	PONDERAY VALLEY FIBRE	USK	WA	PEND ORIELLE	70	35 MMBF
11	BEAN LUMBER COMPANY	CHEWELAH	WA	STEVENS	2	1 MMBF
12	SPRINGDALE LUMBER COMPANY	SPRINGDALE	WA	STEVENS	35	13 MMBF
13	STIMSON LUMBER CO.	ARDEN	WA	STEVENS	200	83 MMBF
14	VAAGEN BROTHERS LBR	COLVILLE	WA	STEVENS	140	95 MMBF
15	WEBLEY LUMBER	MARCUS	WA	STEVENS	3	2 MMBF
16	BOISE CASCADE	YAKIMA	WA	YAKIMA	190	95 MMBF
17	LAYMAN LUMBER	NACHES	WA	YAKIMA	60	32 MMBF
18	YAKAMA FOREST PRODUCTS	WHITE SWAN	WA	YAKIMA	100	40 MMBF
Total Mills: 18				Totals:	1,684	775 MMBF

Open Eastern Washington Plywood Plants By County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	BOISE CASCADE	KETTLE FALLS	WA	FERRY	200	230 MMSF3/8"
2	SDS	BINGEN	WA	KLICKITAT	225	75 MMSF3/8"
3	BOISE CASCADE	YAKIMA	WA	YAKIMA	180	210 MMSF3/8"
Total Mills: 3				Totals:	605	515

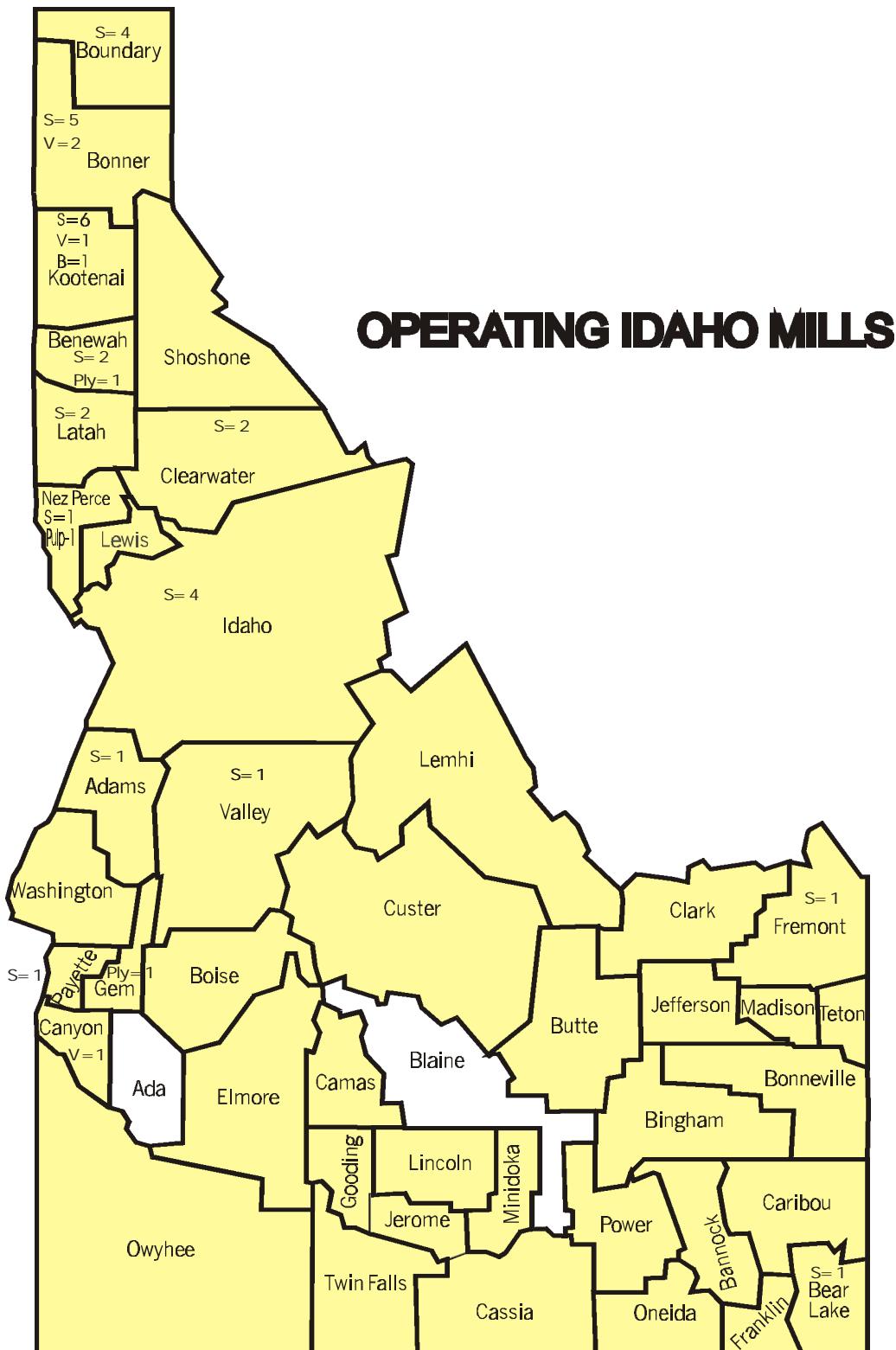
Open Eastern Washington Board Plants By County

COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1 JELD-WEN/WHITE SWAN FOR. PROD.	WHITE SWAN	WA	YAKIMA	40	20 MMSF3/4"
Total Mills: 1			Totals:	40	20

Open Eastern Washington Pulp Plants By County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	PONDERAY NEWSPRINT	USK	WA	PEND OREILLE	200	700 TPD
2	INLAND EMPIRE PAPER CO.	SPOKANE	WA	SPOKANE	133	280 TPD
3	BOISE CASCADE	WALLULA	WA	WALLA WALLA	520	1040 TPD
Total Mills: 3				Totals:	853	2,020

Operating Mills Idaho



S=Sawmills 32

Ply=Plywood plants 2

V=Veneer plants 4

B=Board plants 1

Pulp plants 1

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2/01

Open Idaho Sawmills by County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	EVERGREEN FOREST PROD., INC.	NEW MEADOWS	ID	ADAMS	90	55 MMBF
2	JENSEN LUMBER CO., INC.	OVID	ID	BEAR LAKE	40	6 MMBF
3	POTLATCH CORP.	ST. MARIES	ID	BENEWAH	110	85 MMBF
4	REGULUS STUD MILLS INC.	ST. MARIES	ID	BENEWAH	95	55 MMBF
5	IDAHO VENEER CO./CEDA PINE	SAMUELS	ID	BONNER	40	32 MMBF
6	J.D. LUMBER, INC.	PRIEST RIVER	ID	BONNER	170	140 MMBF
7	PRIEST LAKE LUMBER	PRIEST LAKE	ID	BONNER	10	8 MMBF
8	RILEY CREEK LUMBER CO.	LACLEDE	ID	BONNER	150	140 MMBF
9	STIMSON	PRIEST RIVER	ID	BONNER	125	140 MMBF
10	CROWN PACIFIC	BONNERS FERRY	ID	BOUNDARY	110	125 MMBF
11	LOUISIANA-PACIFIC	MOYIE SPRINGS	ID	BOUNDARY	150	120 MMBF
12	MESENBRING MILL	MOYIE SPRINGS	ID	BOUNDARY	3	2 MMBF
13	WELCO OF IDAHO	NAPLES	ID	BOUNDARY	77	20 MMBF
14	BATTLES LUMBER CO.	WEIPPE	ID	CLEARWATER	3	1 MMBF
15	KONKOLVILLE LUMBER CO., INC.	OROFINO	ID	CLEARWATER	65	21 MMBF
16	STODDARD LUMBER CO., INC.	ST. ANTHONY	ID	FREMONT	15	3 MMBF
17	BENNETT LUMBER PRODUCTS	ELK CITY	ID	IDAHO	75	40 MMBF
18	CLEARWATER FOREST IND./KOOSKIA	KOOSKIA	ID	IDAHO	96	40 MMBF
19	EMPIRE/KAMIAH/HUTCHINS/TRIPLE R	KAMIAH/WEIPE	ID	IDAHO	85	40 MMBF
20	THREE RIVERS LUMBER CO.	KAMIAH	ID	IDAHO	115	55 MMBF
21	CROWN PACIFIC	COEUR D'ALENE	ID	KOOTENAI	150	135 MMBF

Open Idaho Sawmills by County (Cont.)

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
22	IDAHO VENEER CO./CEDA PINE	POST FALLS	ID	KOOTENAI	80	24 MMBF
23	LOUISIANA-PACIFIC	ATHOL/CHILCO	ID	KOOTENAI	80	110 MMBF
24	STIMSON	COEUR D'ALENEID		KOOTENAI	250	130 MMBF
25	STIMSON	COEUR D'ALENEID		KOOTENAI	175	75 MMBF
26	WHITEMAN LUMBER CO., INC.	CATALDO	ID	KOOTENAI	30	12 MMBF
27	BENNETT LUMBER PRODUCTS	PRINCETON	ID	LATAH	160	70 MMBF
28	CENTRAL IDAHO FOREST PRODUCTS	PRINCETON	ID	LATAH	42	20 MMBF
29	IDAHO CEDAR SALES	TROY	ID	LATAH	31	8 MMBF
30	POTLATCH CORP.	LEWISTON	ID	NEZ PERCE	375	130 MMBF
31	NEW HOMESTEAD LOG CO.	PAYETTE	ID	PAYETTE	22	2 MMBF
32	BOISE CASCADE	CASCADE	ID	VALLEY	80	65 MMBF
Total Mills: 32				Totals:	3,099	1,909

Open Idaho Plywood Plants by County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	POTLATCH CORP.	ST. MARIES	ID	BENEWAH	210	160 MMSF3/8"
2	BOISE CASCADE	EMMETT	ID	GEM	200	185 MMSF3/8"
	Total Mills: 2			Totals:	410	345

Open Idaho Veneer by County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	IDAHO VENEER CO./CEDA PINE	SAMUELS	ID	BONNER	60	7 MMSF3/8"
2	MALLOY VENEER CO.	PRIEST RIVER	ID	BONNER	40	5 MMSF3/8"
3	LINEAL VENEER COMPONENTS	CALDWELL	ID	CANYON	40	20 1/8"MMSF
4	IDAHO VENEER CO./CEDA PINE	POST FALLS	ID	KOOTENAI	35	5 MMSF3/8"
Total Mills: 4				Totals:	175	37

Open Idaho Board Plants by County

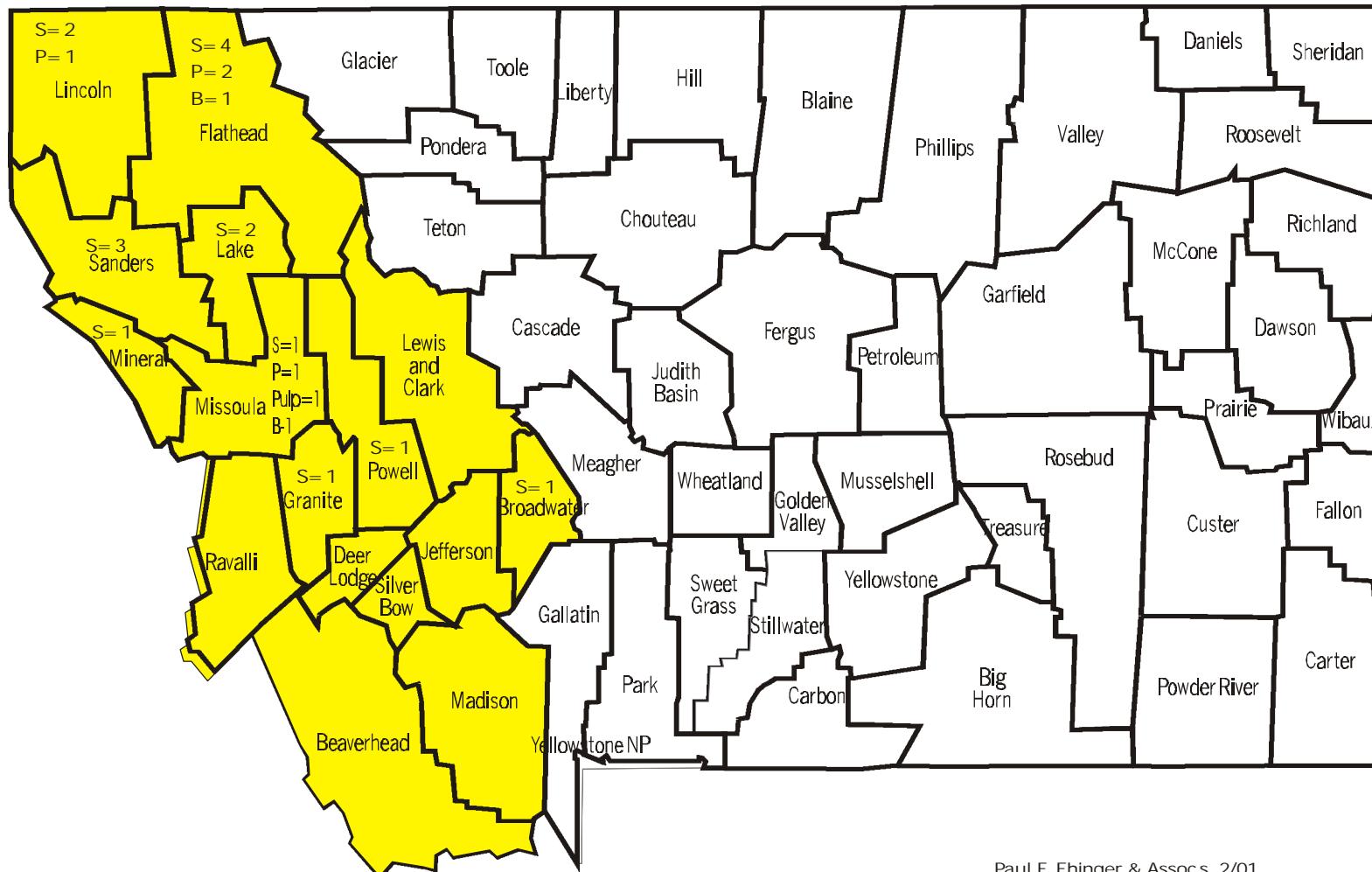
	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	POTLATCH CORP.	POST FALLS	ID	KOOTENAI	58	65 MMSF3/4"
	Total Mills: 1			Totals:	58	65

Open Idaho Pulp Plants by County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	POTLATCH CORP.	LEWISTON	ID	NEZ PERCE	1500	1450 TPD
	Total Mills: 1			Totals:	1,500	1,450

Operating Mills Western Montana

OPERATING WESTERN MONTANA MILLS



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S= SAWMILLS = 16
 P= PLYWOOD = 4
 B= BOARD = 2
 PULP PLANTS = 1

Open Western Montana Sawmills by County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	R-Y TIMBER	TOWNSEND	MT	BROADWATER	100	75 MMBF
2	F. H. STOLTZE LAND & LUMBER CO.	COLUMBIA FALLS	MT	FLATHEAD	115	50 MMBF
3	PLUM CREEK TIMBER CO.	KALISPELL	MT	FLATHEAD	330	90 MMBF
4	PLUM CREEK TIMBER CO.	COLUMBIA FALLS	MT	FLATHEAD	70	107 MMBF
5	RBM LUMBER CO.	COLUMBIA FALLS	MT	FLATHEAD	25	2 MMBF
6	EAGLE STUD MILL INC.	HALL	MT	GRANITE	50	24 MMBF
7	HUNT'S TIMBERS, INC.	ST. IGNATIUS	MT	LAKE	15	2 MMBF
8	PLUM CREEK TIMBER CO.	PABLO	MT	LAKE	200	93 MMBF
9	OWENS & HURST	EUREKA	MT	LINCOLN	100	80 MMBF
10	PLUM CREEK TIMBER CO.	FORTINE	MT	LINCOLN	105	88 MMBF
11	TRICON TIMBER, INC.	ST. REGIS	MT	MINERAL	80	50 MMBF
12	STIMSON LUMBER CO.	BONNER	MT	MISSOULA	159	120 MMBF
13	LOUISIANA-PACIFIC	DEER LODGE	MT	POWELL	215	80 MMBF
14	THOMPSON RIVER LUMBER INC.	THOMPSON FALLS	MT	SANDERS	90	30 MMBF
15	VINSON TIMBER PRODUCTS INC.	TROUT CREEK	MT	SANDERS	6	20 MMBF
16	WATTERS LUMBER CO.	THOMPSON FALLS	MT	SANDERS	5	5 MMBF
Total Mills: 16				Totals:	1,665	

Open Western Montana Plywood Plants by County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	PLUM CREEK TIMBER CO.	KALISPELL	MT	FLATHEAD	330	176 MMSF3/8"
2	PLUM CREEK TIMBER CO.	COLUMBIA FALLS	MT	FLATHEAD	270	159 MMSF3/8"
3	STIMSON LUMBER CO.	LIBBY	MT	LINCOLN	245	150 MMSF3/8"
4	STIMSON LUMBER CO.	BONNER	MT	MISSOULA	320	170 MMSF3/8"
Total Mills: 4				Totals:	1,165	655

Open Western Montana Board Plants by County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	PLUM CREEK TIMBER CO.	COLUMBIA FALLS	MT	FLATHEAD	200	109 MMSF3/4"
2	LOUISIANA-PACIFIC	MISSOULA	MT	MISSOULA	105	160 MMSF3/4"
	Total Mills: 2			Totals:	305	269

Open Western Montana Pulp Plants by County

	COMPANY	CITY	ST	COUNTY	EMPLOYEES	PRODUCTION
1	STONE CONTAINER CORP.	MISSOULA	MT	MISSOULA	700	1600 TPD
	Total Mills: 1			Totals:	700	1,600

III. Closed Mills

Mill Closures

Identifying Closed Mills

In listing Columbia Basin mills as closed, the following criteria have been applied:

1. Management indicates the operation will be closed permanently.
2. A mill is considered closed if it has been closed for 60 days or more and is not likely to reopen; or management indicates a closure of indefinite length.
3. Mills that reopen are removed from the list. There is no "double counting".
4. To be on the list, a mill must have produced a primary product: lumber, plywood, veneer, board, pulp, or other major commodity.
5. The employment data show the number of mill employees that lost their job. In some cases if a plant has normally run two shifts, but for the year prior to closing has run only a single shift, the two shift employment data are shown.
6. The production information represents the average annual production over the two years prior to closure.
7. History shows that once a mill is closed in the western states, it rarely reopens. Over the past 15 years of tracking mill closures, only about 2% of closed mills return to operation.
8. The closure tables do not include the number of woods jobs lost. Approximately one woods job is lost for every 3+ mill jobs.

In the detail that follows, PLYN stands for Plywood Plants; PLYV stands for Plywood/Veneer Plants.

Evaluating Timber-Related Mill Closures

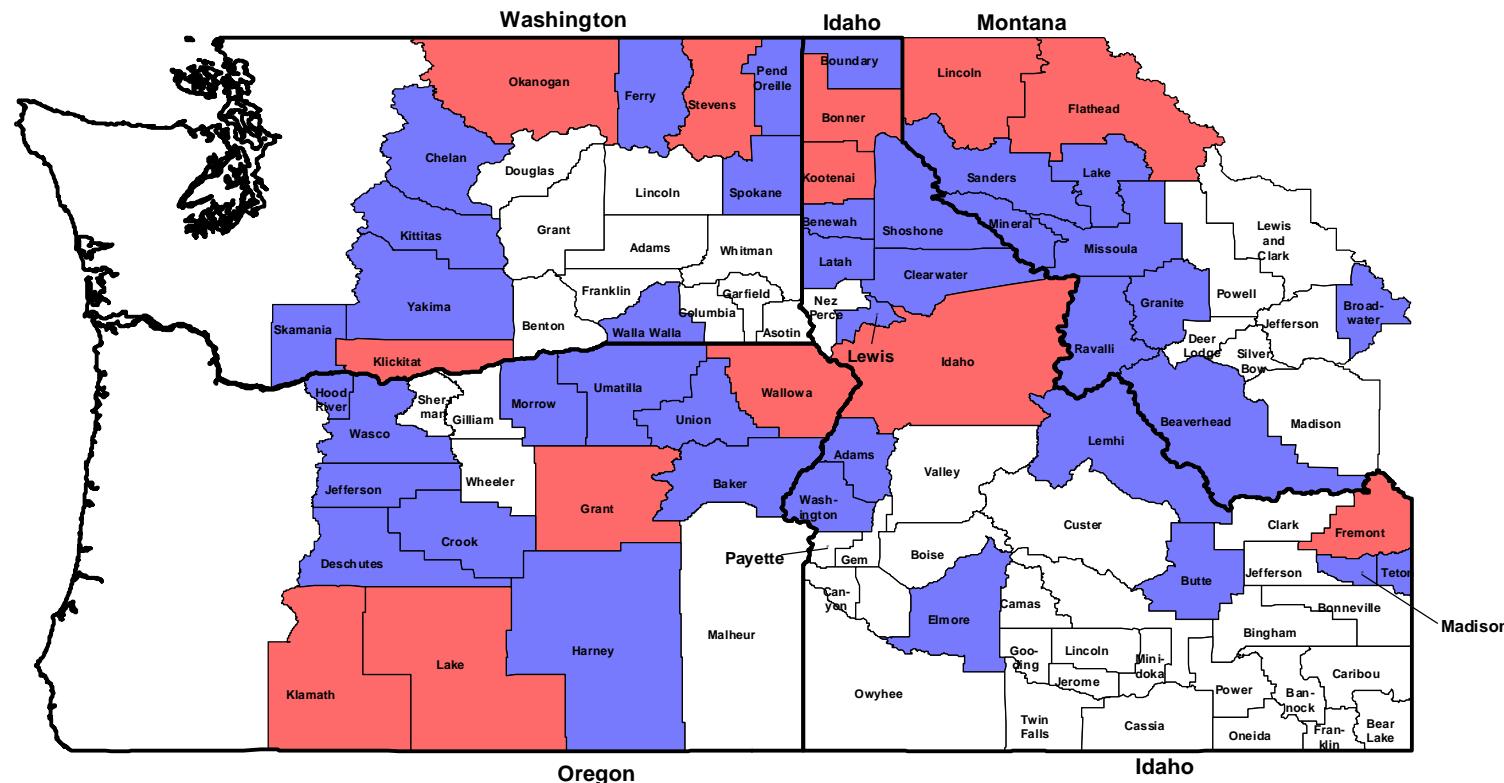
Timber related causes of Columbia Basin mill closures are noted under the column TRC. The code numbers 1, 2, and 3 are used as follows:

1. Loss of federal timber supply was *primary reason* for mill closure. The mill had a major dependency on federal timber and without this timber source the mill was forced to close.
2. Loss of federal timber was *contributing factor* in the mill closure. The lack of federal timber availability was contributing factor on the closure of the mill. In some cases the precise cause isn't known, but given the federal timber situation in the area, the loss of this resource had to be a contributing factor to the mills closure.
3. Loss of federal timber was *not a significant factor* in the mill closure. Indicates a mill that relied heavily on private timber, with minimal history of public timber purchase.

This category also includes mills closed due to non-timber related factors such as fire, obsolescence, etc.

These ratings by Paul F. Ehinger & Associates are based on contacts with mill management and knowledge of industry trends during this period.

Primary Production Mill Closures by County (1989 - 2000)



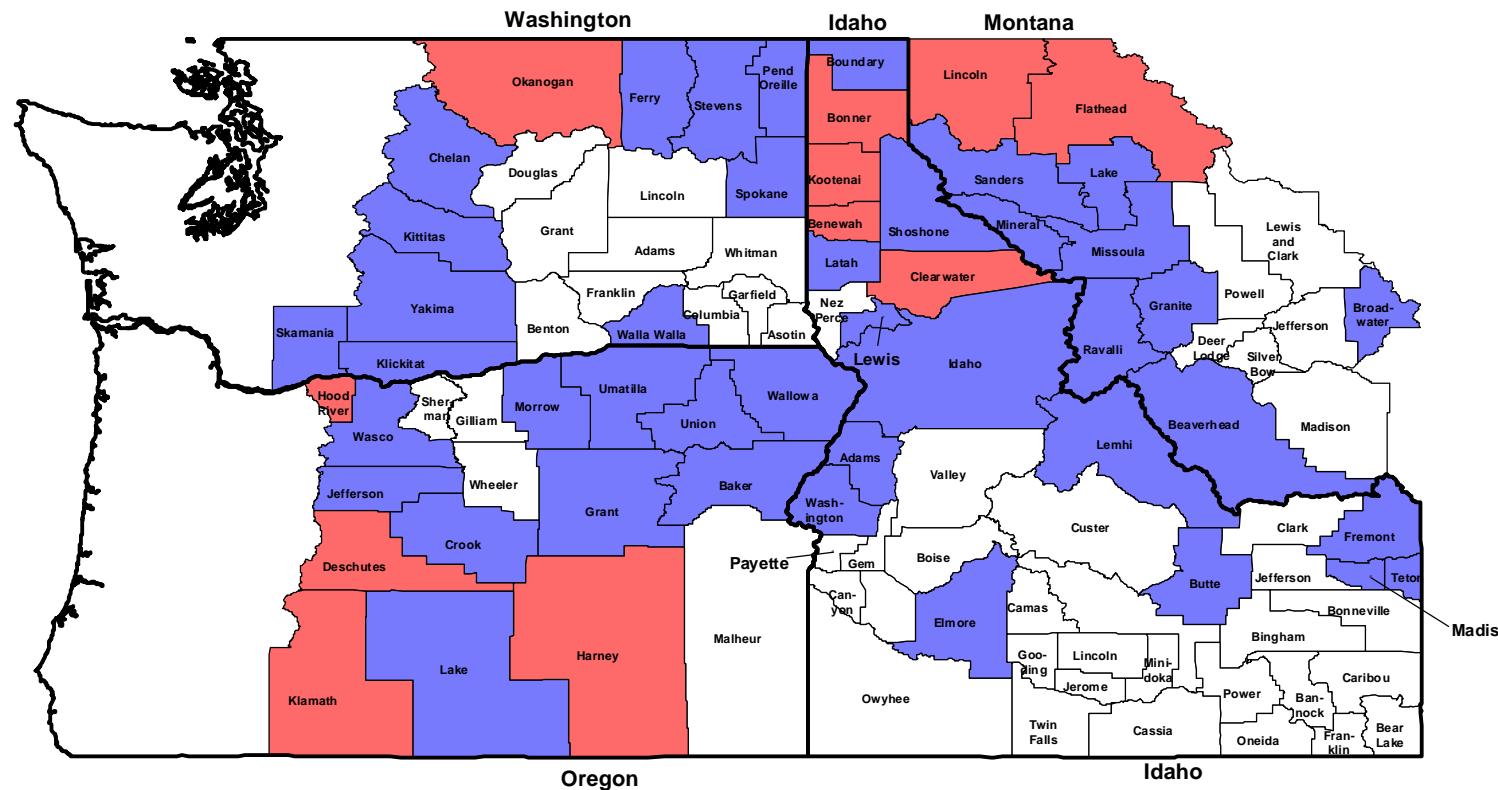
Legend:

0
1 - 2
3+

Note: Inland Northwest had 110 mill closures

- Idaho had 31 mills close
- Montana had 23 mills close
- Eastern Oregon had 34 mills close
- Eastern Washington had 22 mills close

Primary Production Mill Job Losses by County (1989 - 2000)



Legend:

White	0
Blue	1 - 200
Red	200+

Note: Inland Northwest had 8,638 mill jobs

- Idaho lost 1,731 mill jobs
- Montana lost 1,700 mill jobs
- Eastern Oregon lost 3,632 mill jobs
- Eastern Washington lost 1,575 mill jobs

Mill Closures – Pacific Northwest

- **Northern California**
- **Idaho**
- **Montana**
- **Oregon**
- **Washington**

Pacific Northwest Mill Closures 1989 to 2001

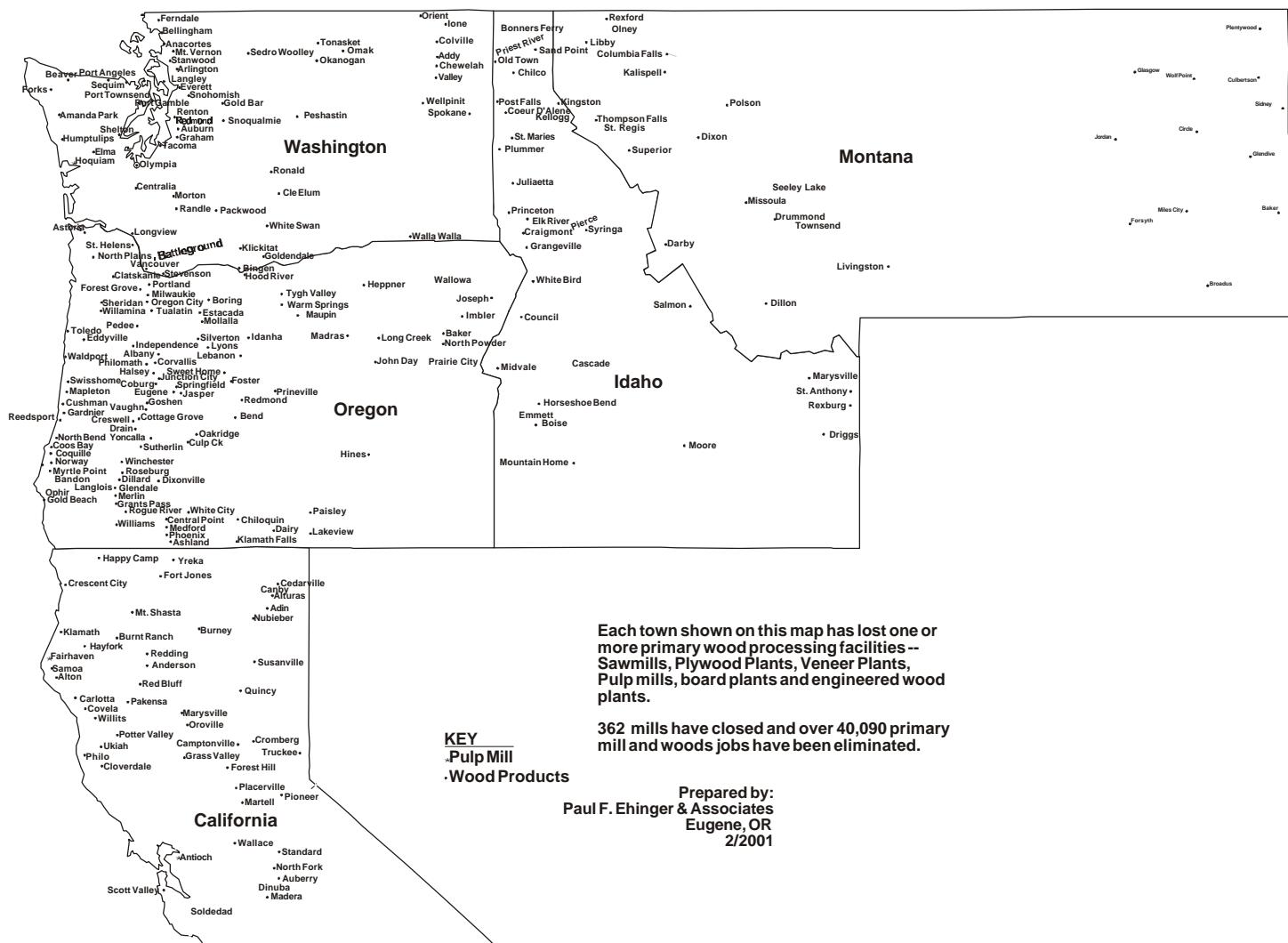


Table 1
Oregon / Washington / California / Idaho / Montana Mill Closures

	SAWMILLS			PLYWOOD/PANEL			VENEER				
	NO. MILLS	PROD. MMBF	NO. EMPL.	NO. MILLS	PRODUCTION+ MM SQ.FT. 3/8 BASIS	NO. EMPL.	NO. MILLS	MM SQ.FT. 3/8 BASIS	NO. EMPL.	NO. MILLS COMBINED SAW & PANEL/ VENEER	COMBINED SAW/PANEL/VEN EMPLOYEES
2000	11	646	1,055	5	679	880	3	130	90	19	2,025
1999	14	554	1,079	1	50	75	2	75	45	17	1,199
1998	16	746	1,427	0	0	0	1	10	15	17	1,442
1997	11	220	475	1	110	200	4	435	160	16	835
1996	19	604	1,167	3	352	630	0	0	0	22	1,797
1995	24	969	1,915	2	110	220	4	136	131	30	2,266
1994	22	860	1,793	4	462	509	3	285	147	29	2,449
1993	23	572	1,279	3	302	400	3	125	90	29	1,769
1992	29	954	2,392	7	832	1,410	4	450	180	40	3,982
1991	36	1,252	2,599	6	543	857	6	222	133	48	3,589
1990	34	1,200	2,321	7	960	1,260	13	1,176	624	54	4,205
1989	20	977	1,708	4	533	735	2	345	145	26	1,855
Totals:	259	9,554	19,210	43	4,933	7,176	45	3,389	1,760	347	27,413

**Oregon / Washington / California / Idaho Closures
Pulp, Board, Glulam**

	PULP			BOARD			GLULAM				
	NO. MILLS	PROD.	NO. EMPL.	NO. MILLS	PROD.	NO. EMPL.	NO. MILLS	PROD.	NO. EMPL.	NO. MISC. MILLS	COMBINED # EMPL.
2000	1	450	250	3	330	245				4	495
1999										0	0
1998	1	1,000	295				1	20	100	2	395
1997	1	445	365	1	140	100	0	0	0	2	465
1996	0	0	0	1	96	85	0	0	0	1	85
1993	1	705	262	0	0	0	0	0	0	1	262
1992	2	695	645	0	0	0	1	50	155	3	800
1991	1	700	120	0	0	0	0	0	0	1	120
1990	0	0	0	0	0	0	1	8	35	1	35
1989	0	0	0	0	0	0	0	0	0	0	0
Totals:	7	3,995	1,937	5	566	430	3	78	290	15	2,657

SUMMARY

TOTAL MILLS CLOSED =	362
TOTAL EMPLOYEES =	30,070
TOTAL LOGGING JOBS =	10,020
TOTAL JOBS LOST =	40,090

Table 2
Oregon Mill Closures

SAWMILLS			PLYWOOD/PANEL			VENEER			NO. MILLS COMBINED SAW & PANEL/ VENEER	COMBINED SAW/PANEL/VEN EMPLOYEES	
NO. MILLS	PROD. MMBF	NO. EMPL.	NO. MILLS	PRODUCTION+ MM SQ.FT. 3/8 BASIS	NO. EMPL.	NO. MILLS	MM SQ.FT. 3/8 BASIS	NO. EMPL.			
2000	5	273	470	2	314	425	2	70	40	9	935
1999	6	282	525	1	50	75	1	45	20	8	620
1998	7	365	790	0	0	0	0	0	0	7	790
1997	2	9	11	1	110	200	4	435	160	7	371
1996	8	238	467	1	107	230	0	0	0	9	697
1995	11	450	981	1	20	50	2	105	83	14	1,114
1994	2	57	92	3	422	459	3	285	147	8	698
1993	5	128	407	3	302	400	2	90	65	10	872
1992	12	486	1,482	3	511	865	4	450	180	19	2,527
1991	13	700	1,443	6	543	857	2	82	45	21	2,345
1990	9	337	555	7	960	1,260	11	1,052	529	27	2,344
1989	7	347	780	3	448	635	1	145	75	11	1,490
Totals:	87	3,672	8,003	31	3,787	5,456	32	2,759	1,344	150	14,803

Table 3
Washington Mill Closures

SAWMILLS			PLYWOOD/PANEL			VENEER			NO. MILLS COMBINED SAW & PANEL/ VENEER	COMBINED SAW/PANEL/VEN EMPLOYEES	
NO. MILLS	PROD. MMBF	NO. EMPL.	NO. MILLS	PRODUCTION+ MM SQ.FT. 3/8 BASIS	NO. EMPL.	NO. MILLS	MM SQ.FT. 3/8 BASIS	NO. EMPL.			
2000	2	135	130	2	200	240	0	0	0	4	370
1999	4	132	259	0	0	0	0	0	0	4	259
1998	2	104	225	0	0	0	0	0	0	2	225
1997	0	0	0	0	0	0	0	0	0	0	0
1996	3	40	100	2	245	400	0	0	0	5	500
1995	5	240	385	0	0	0	2	31	48	7	433
1994	5	101	279	1	40	50	0	0	0	6	329
1993	3	6	14	0	0	0	1	35	25	4	39
1992	4	43	109	3	246	425	0	0	0	7	534
1991	13	183	519	0	0	0	4	140	88	17	607
1990	8	116	270	0	0	0	2	124	95	10	365
1989	7	445	457	1	85	100	1	200	70	9	627
Totals:	56	1,545	2,747	9	816	1,215	10	530	326	75	4,288

Table 4
California Mill Closures

SAWMILLS			PLYWOOD/PANEL			VENEER			NO. MILLS COMBINED SAW & PANEL/ VENEER	COMBINED SAW/PANEL/VEN EMPLOYEES	
NO. MILLS	PROD. MMBF	NO. EMPL.	NO. MILLS	PRODUCTION+ MM SQ.FT. 3/8 BASIS	NO. EMPL.	NO. MILLS	MM SQ.FT. 3/8 BASIS	NO. EMPL.			
2000	2	98	245	0	0	1	60	50	3	295	
1999	3	90	235	0	0	1	30	25	4	260	
1998	0	0	0	0	0	1	10	15	1	15	
1997	1	115	215	0	0	0	0	0	1	215	
1996	5	200	290	0	0	0	0	0	5	290	
1995	3	145	229	1	90	170	0	0	4	399	
1994	8	339	832	0	0	0	0	0	8	832	
1993	7	259	517	0	0	0	0	0	7	517	
1992	5	252	442	1	75	120	0	0	6	562	
1991	7	301	530	0	0	0	0	0	7	530	
1990	13	664	1,208	0	0	0	0	0	13	1,208	
1989	4	163	386	0	0	0	0	0	4	386	
Totals:	58	2,626	5,129	2	165	290	3	100	90	63	5,509

Note: Data does not include two pulp mills

Table 5
Idaho Mill Closures

SAWMILLS			PLYWOOD/PANEL			VENEER			NO. MILLS COMBINED SAW & PANEL/ VENEER	COMBINED SAW/PANEL/VEN EMPLOYEES
NO. MILLS	PROD. MMBF	NO. EMPL.	NO. MILLS	PRODUCTION+ MM SQ.FT. 3/8 BASIS	NO. EMPL.	NO. MILLS	MM SQ.FT. 3/8 BASIS	NO. EMPL.		
2000	0	0	1	165	215	0	0	0	1	215
1999	1	50	60	0	0	0	0	0	1	60
1998	4	243	320	0	0	0	0	0	4	320
1997	5	44	89	0	0	0	0	0	5	89
1996	2	82	170	0	0	0	0	0	2	170
1995	4	122	295	0	0	0	0	0	4	295
1994	3	205	210	0	0	0	0	0	3	210
1993	2	16	18	0	0	0	0	0	2	18
1992	5	99	109	0	0	0	0	0	5	109
1991	2	68	107	0	0	0	0	0	2	107
1990	3	28	138	0	0	0	0	0	3	138
1989	1	12	45	0	0	0	0	0	1	45
Totals:	32	969	1,561	1	165	215	0	0	33	1,776

Table 6
Montana Mill Closures

SAWMILLS			PLYWOOD/PANEL			VENEER			NO. MILLS COMBINED SAW & PANEL/ VENEER	COMBINED SAW/PANEL/VEN EMPLOYEES
NO. MILLS	PROD. MMBF	NO. EMPL.	NO. MILLS	PRODUCTION+ MM SQ.FT. 3/8 BASIS	NO. EMPL.	NO. MILLS	MM SQ.FT. 3/8 BASIS	NO. EMPL.		
2000	2	140	210	0	0	0	0	0	2	210
1999	0	0	0	0	0	0	0	0	0	0
1998	3	34	92	0	0	0	0	0	3	92
1997	3	52	160	0	0	0	0	0	3	160
1996	1	44	140	0	0	0	0	0	1	140
1995	1	12	25	0	0	0	0	0	1	25
1994	4	158	380	0	0	0	0	0	4	380
1993	6	163	323	0	0	0	0	0	6	323
1992	3	74	250	0	0	0	0	0	3	250
1991	0	0	0	0	0	0	0	0	0	0
1990	1	55	150	0	0	0	0	0	1	150
1989	1	10	40	0	0	0	0	0	1	40
Totals:	25	742	1,770	0	0	0	0	0	25	1,770

+ Plywood / veneer: Industry production totals are not used for plywood and veneer.
 Jobs lost in these statistics do not include woods jobs.

Mill Closures Eastern Oregon

Mill Closures and Jobs Lost Eastern Oregon

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Baker							1/150					
Crook				1/97	1/78							
Deschutes					1/300			1/230				
Grant				1/50				2/28			1/30	
Harney							1/184		1/25			
Jefferson			2/135									
Klamath	1/90	1/75	1/700				2/280				1/20	1/200
Lake	1/70						1/57	1/25				
Morrow											1/120	
Umatilla												1/120
Union			1/70							1/20		
Wallowa						1/72						2/125
Wasco		1/64	1/70									
Hood River								1/95				1/120
Total	2/160	4/274	5/987	2/370	1/72	5/621	5/378	1/25	1/20	3/170	5/565	

Note: Table shows number of closed mills / mill jobs lost

Closed Eastern Oregon Mills, 1989 to Present

CYEAR	COMPANY	CITY	ST	COUNTY	PLANT	PRODUCTION	EMPLOYEES	TRC*
1 1995	ELLINGSON LUMBER CO.	BAKER	OR	BAKER	SAWMILL	76 MMBF	150	1
2 1993	CONSOLIDATED PINE INC.	PRINEVILLE	OR	CROOK	SAWMILL	20 MMBF	70	1
3 1992	PINE PRODUCTS CORP.	PRINEVILLE	OR	CROOK	SAWMILL	40 MMBF	97	1
4 1993	CROWN PACIFIC/DAW	BEND	OR	DESCHUTES	SAWMILL	80 MMBF	300	3
5 1996	CROWN PACIFIC LTD./DAW	REDMOND	OR	DESCHUTES	PLYV	107 MMSF3/8"	230	2
6 1992	JOHNSON, D.R. LUMBER/OREGON PINE LBR	JOHN DAY	OR	GRANT	SAWMILL	20 MMBF	50	1
7 1996	W R 2 FOREST PROD.,INC.	JOHN DAY	OR	GRANT	SAWMILL	2 MMBF	3	2
8 1996	BLUE MOUNTAIN FOREST PRODUCTS	LONG CREEK	OR	GRANT	SAWMILL	12 MMBF	25	1
9 1999	JOHNSON, D.R. LUMBER/PRAIRIE WOOD	PRAIRIE CITY	OR	GRANT	SAWMILL	28 MMBF	30	1
10 1995	SNOW MOUNTAIN PINE CO., INC.	HINES	OR	HARNEY	SAWMILL	70 MMBF	184	1
11 1997	TECTON LAMINATES (L. PACIFIC AS OF 3/97)	HINES	OR	HARNEY	VENEER	25 MMSF3/8"	25	1
12 2000	QVL/HANEL	HOOD RIVER	OR	HOOD RIVER	SAWMILL	85 MMBF	120	1
13 1996	DEE FOREST PRODUCTS	HOOD RIVER	OR	HOOD RIVER	HARDBOARD	96 MMSF1/8"	85	3
14 1991	CUSTOM PANELS	MADRAS	OR	JEFFERSON	PLYN	25 MMSF3/8"	25	3
15 1991	WARM SPRINGS FOREST PRODUCTS	WARM SPRINGS	OR	JEFFERSON	PLYV	80 MMSF3/8"	110	3
16 1991	CHILOQUIN FOREST PRODUCTS	CHILOQUIN	OR	KLAMATH	SAWMILL	25 MMBF	75	2
17 1990	WTD/CRATER LAKE LUMBER CO.	CHILOQUIN	OR	KLAMATH	SAWMILL	80 MMBF	90	1
18 1995	DIVERSIFIED FIBER CORP/SYCAN	DAIRY	OR	KLAMATH	SAWMILL	5 MMBF	20	3
19 2000	COLLINS PINE	KLAMATH FALLS	OR	KLAMATH	PLYV	170 MMSF3/8"	200	2
20 1999	KLAMATH VENEER/HUFFMAN WRIGHT	KLAMATH FALLS	OR	KLAMATH	VENEER	45 MMSF3/8"	20	1
21 1995	MODOC LUMBER CO.	KLAMATH FALLS	OR	KLAMATH	SAWMILL	62 MMBF	210	1

* Note: Code for "timber-related cause" of mill closure

Closed Eastern Oregon Mills, 1989 to Present (Cont.)

CYEAR	COMPANY	CITY	ST	COUNTY	PLANT	PRODUCTION	EMPLOYEES	TRC*
22 1992	WEYERHAEUSER	KLAMATH FALLS	OR	KLAMATH	SAWMILL	80 MMBF	700	3
23 1990	GOOSE LAKE LUMBER CO./CLR. LBR.	LAKEVIEW	OR	LAKE	SAWMILL	50 MMBF	70	1
24 1995	LAKEVIEW LUMBER PRODUCTS CO.	LAKEVIEW	OR	LAKE	SAWMILL	20 MMBF	57	1
25 1996	FREMONT SAWMILL	PAISLEY	OR	LAKE	SAWMILL	20 MMBF	25	1
26 1999	KINZUA RESOURCES PMI	HEPPNER	OR	MORROW	SAWMILL	75 MMBF	120	1
27 2000	WOOD FIBER IND. INC. (INT'L. PAPER)	PILOT ROCK	OR	UMATILLA	BOARD	70 MMSF1/2"	120	2
28 1998	JOSEPH TIMBER COMPANY/ALICEL	ALICEL	OR	UNION	SAWMILL	10 MMBF	20	2
29 1992	IDAHO TIMBER CORP.	NORTH POWDER	OR	UNION	SAWMILL	55 MMBF	70	1
30 1994	BOISE CASCADE	JOSEPH	OR	WALLOWA	SAWMILL	37 MMBF	72	1
31 2000	JOSEPH TIMBER COMPANY	JOSEPH	OR	WALLOWA	SAWMILL	40 MMBF	70	1
32 2000	JOHNSON, D.R. LUMBER/WALLOWA LUMBER	WALLOWA	OR	WALLOWA	SAWMILL	40 MMBF	55	1
33 1992	MOUNTAIN FIR LUMBER CO.	MAUPIN	OR	WASCO	SAWMILL	48 MMBF	70	1
34 1991	MOUNTAIN FIR LUMBER CO.	TYGH VALLEY	OR	WASCO	SAWMILL	30 MMBF	64	1
Total Mills: 34						Totals:	3,632	

* Note: Code for "timber-related cause" of mill closure

Mill Closures Eastern Washington

Mill Closures and Jobs Lost Eastern Washington (1989-2000)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Chelan		1/130										
Ferry	1/35											
Kittitas		1/25						1/5				
Klickitat	2/90					1/110						
Okanogan		1/2	1/170							1/150		1/200
Pend-Orielle							1/60					
Spokane						1/120						
Stevens		1/50			2/8	1/12	1/30					
Skamania			1/8	1/175								
Walla Walla							1/105					
Yakima				1/100								
Total	3/125	4/207	2/170	2/275	2/8	3/242	3/195	1/5		1/150		1/200

Note: Table shows number of closed mills / mill jobs lost

Closed Eastern Washington Mills, 1989 to Present

CYEAR	COMPANY	CITY	ST	COUNTY	PLANT	PRODUCTION	EMPLOYEES	TRC*
1 1990	W.I. FOREST PRODUCTS, L.P.	PESHASTIN	WA	CHELAN	SAWMILL	35 MMBF	130	2
2 1989	WTD/ORIENT LUMBER	ORIENT	WA	FERRY	SAWMILL	20 MMBF	35	1
3 1996	CONNER LUMBER	CLE ELUM	WA	KITTITAS	SAWMILL	4 MMBF	5	2
4 1990	WTD/CLE ELUM LAKE	RONALD	WA	KITTITAS	VENEER	44 MMSF3/8"	25	1
5 1989	MT. ADAMS TIMBER PRODUCTS	BINGEN	WA	KLICKITAT	SAWMILL	16 MMBF	25	1
6 1989	BOISE CASCADE	GOLDDALE	WA	KLICKITAT	SAWMILL	25 MMBF	65	1
7 1994	CHAMPION INTERNATIONAL	KLICKITAT	WA	KLICKITAT	SAWMILL	45 MMBF	110	3
8 1990	CHARLES E. DAGNON	OKANOGAN	WA	OKANOGAN	SAWMILL	1 MMBF	2	2
9 1998	OMAK WOOD PRODUCTS	OMAK	WA	OKANOGAN	SAWMILL	54 MMBF	150	1
10 2000	QVL PLYWOOD	OMAK	WA	OKANOGAN	PLYV	180 MMSF3/8"	200	1
11 1991	SPOKANE LUMBER CO.	TONASKET	WA	OKANOGAN	SAWMILL	84 MMBF	170	1
12 1995	VAAGEN BROTHERS LBR	IONE	WA	PEND ORIELLE	SAWMILL	45 MMBF	60	1
13 1991	WKO	CARSON	WA	SKAMANIA	VENEER	25 MMSF3/8	8	3
14 1992	STEVENSON CO-PLY, INC	STEVENSON	WA	SKAMANIA	PLYV	114 MMSF3/8	175	1
15 1994	CROWN PACIFIC/W.I. FOREST PRODUCTS	SPOKANE	WA	SPOKANE	SAWMILL	44 MMBF	120	2
16 1993	ZERBA BROTHERS	ADDY	WA	STEVENS	SAWMILL	3 MMBF	5	3
17 1993	ROSS PALLET SHOP	CHEWELAH	WA	STEVENS	SAWMILL	1 MMBF	3	3
18 1995	CHOPOT, JOHN LUMBER CO.	COLVILLE	WA	STEVENS	SAWMILL	10 MMBF	30	2
19 1990	WTD/VALLEY WOOD PRODUCTS	VALLEY	WA	STEVENS	SAWMILL	50 MMBF	40	2
20 1994	S.I.R. TIMBER PRODUCTS	WELLPINIT	WA	STEVENS	SAWMILL	3 MMBF	12	3
21 1995	LOUISIANA-PACIFIC	WALLA WALLA	WA	WALLA WALLA	SAWMILL	90 MMBF	105	1
22 1992	JELD-WEN/WHITE SWAN FOREST PROD.	WHITE SWAN	WA	YAKIMA	SAWMILL	40 MMBF	100	3
Total Mills: 22						Totals:	1,575	

* Note: Code for "timber-related cause" of mill closure

Mill Closures

Idaho

Mill Closures and Jobs Lost Idaho

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams				1/3			1/75					
Benewah			1/100							1/125		
Bonner						1/60		1/130	1/6	1/80		
Boundary		1/3				1/8						
Butte		1/6										
Clearwater			1/7									1/215
Elmore	1/45											
Fremont				2/89					1/10			
Idaho				1/5	1/10	1/150						
Kootenai		1/129					1/115		1/150			
Latah										1/40		
Lemhi							1/40					
Lewis									1/30			
Madison							1/65					
Shoshone						1/30		1/40				
Teton									1/3			
Washington				1/12								
Total	1/45	3/138	2/107	5/109	1/10	4/248	4/295	2/170	5/199	3/245	0	1/215

Note: Table shows number of closed mills / mill jobs lost

Closed Idaho Mills, 1989 to Present

CYEAR	COMPANY	CITY	ST	COUNTY	PLANT	PRODUCTION	EMPLOYEES	TRC*
1. 1992	BALDERSON LUMBER	COUNCIL	ID	ADAMS	SAWMILL	1 MMBF	3	3
2. 1995	BOISE CASCADE	COUNCIL	ID	ADAMS	SAWMILL	32 MMBF	75	1
3. 1998	RAYONIER	PLUMMER	ID	BENEWAH	SAWMILL	75 MMBF	125	2
4. 1991	EDWARDS INDUSTRIES	ST. MARIES	ID	BENEWAH	SAWMILL	65 MMBF	100	1
5. 1996	CROWN PACIFIC	OLD TOWN	ID	BONNER	SAWMILL	70 MMBF	130	2
6. 1997	GEAUDREAU LUMBER CO., INC.	OLD TOWN	ID	BONNER	SAWMILL	4 MMBF	6	3
7. 1994	LOUISIANA-PACIFIC	PRIEST RIVER	ID	BONNER	SAWMILL	95 MMBF	60	1
8. 1998	CROWN PACIFIC	SANDPOINT	ID	BONNER	SAWMILL	95 MMBF	80	2
9. 1990	CHRISTENSON MILL	BONNERS FERRY	ID	BOUNDARY	SAWMILL	1 MMBF	3	3
10. 1993	NORTH BENCH LUMBER	BONNERS FERRY	ID	BOUNDARY	SAWMILL	4 MMBF	8	3
11. 1990	DAVIES SAWMILL AND LOGGING	MOORE	ID	BUTTE	SAWMILL	2 MMBF	6	3
12. 1991	GOOD DEAL HDWARE. & LBR. CO.	ELK RIVER	ID	CLEARWATER	SAWMILL	3 MMBF	7	3
13. 2000	POTLATCH CORP.	PIERCE	ID	CLEARWATER	PLYV	165 MMSF3/8	215	2
14. 1989	SAWTOOTH FOREST PRODUCTS	MOUNTAIN HOME	ID	ELMORE	SAWMILL	12 MMBF	45	2
15. 1997	C & B TIMBER PRODUCTS	MARYSVILLE	ID	FREMONT	SAWMILL	5 MMBF	10	2
16. 1992	ELDRIDGE WOOD PRODUCTS	ST. ANTHONY	ID	FREMONT	SAWMILL	1 MMBF	9	3

* Note: Code for "timber-related cause" of mill closure

Closed Idaho Mills, 1989 to Present (Cont.)

CYEAR	COMPANY	CITY	ST	COUNTY	PLANT	PRODUCTION	EMPLOYEES	TRC*
17. 1992	IDAHO FOREST INDUSTRIES	ST. ANTHONY	ID	FREMONT	SAWMILL	90MMBF	80	1
18. 1994	IDAPINE MILLS INC./KOOSKIA	GRANGEVILLE	ID	IDAHO	SAWMILL	100 MMBF	150	1
19. 1992	SYRINGA LAND & TIMBER	SYRINGA	ID	IDAHO	SAWMILL	2 MMBF	5	3
20. 1993	RHOADES ENTERPRISES	WHITE BIRD	ID	IDAHO	SAWMILL	12 MMBF	10	2
21. 1997	LOUISIANA-PACIFIC	ATHOL/CHILCO	ID	KOOTENAI	BOARD	140 MMSF3/8"	100	1
22. 1990	W.I. FOREST PRODUCTS, L.P.	COEUR D'ALENE	ID	KOOTENAI	SAWMILL	25 MMBF	129	2
23. 1995	LOUISIANA-PACIFIC	POST FALLS	ID	KOOTENAI	SAWMILL	45 MMBF	115	1
24. 1998	GEM STATE LUMBER CO.	JULIAETTA	ID	LATAH	SAWMILL	18 MMBF	40	2
25. 1995	SALMON INTERMOUNTAIN INC.	SALMON	ID	LEMHI	SAWMILL	20 MMBF	40	1
26. 1997	CHANNEL LUMBER CO., INC.	CRAIGMONT	ID	LEWIS	SAWMILL	12 MMBF	30	3
27. 1995	LOUISIANA-PACIFIC	REXBURG	ID	MADISON	SAWMILL	25 MMBF	65	1
28. 1994	MINE TIMBER CO.	KELLOGG	ID	SHOSHONE	SAWMILL	10 MMBF	30	2
29. 1996	GREEN COSMOS/KELLOGG	KINGSTON	ID	SHOSHONE	SAWMILL	12 MMBF	40	2
30. 1997	VICTOR SAWMILL	DRIGGS	ID	TETON	SAWMILL	1 MMBF	3	3
31. 1992	FAIRCHILD LUMBER CO.	MIDVALE	ID	WASHINGTON	SAWMILL	5 MMBF	12	2
Total Mills: 31						Totals:	1,731	

* Note: Code for "timber-related cause" of mill closure

Mill Closures Western Montana

Mill Closures and Jobs Lost Western Montana

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Beaverhead				1/110						1/5		
Broadwater										1/7		
Flathead	1/40	1/150			1/15	1/50			1/40			1/145
Granite						1/60						
Lake				2/140								
Lincoln					2/220	1/110			1/60			
Mineral					1/20	1/160						
Missoula							1/25					1/65
Ravalli					1/58					1/80		
Sanders								1/140				
Total	1/40	1/150	0/0	3/250	5/313	4/380	1/25	1/140	2/100	3/92	0/0	2/210

Note: Table shows number of closed mills / mill jobs lost

Closed Western Montana Mills, 1989 to Present

CYEAR	COMPANY	CITY	ST	COUNTY	PLANT	PRODUCTION	EMPLOYEES	TRC*
1 1992	F. H. STOLTZE LUMBER CO.	DILLON	MT	BEAVERHEAD	SAWMILL	40 MMBF	110	1
2 1998	R & V LOG & LUMBER	DILLON	MT	BEAVERHEAD	SAWMILL	2 MMBF	5	2
3 1998	TRI RIVER LUMBER SALES	TOWNSEND	MT	BROADWATER	SAWMILL	2 MMBF	7	2
4 1990	WTD/COLUMBIA FALLS FOREST PRODUCTS	COLUMBIA FALLS	MT	FLATHEAD	SAWMILL	55 MMBF	150	2
5 1989	KAL-MONT LUMBER CO.	KALISPELL	MT	FLATHEAD	SAWMILL	10 MMBF	40	2
6 1993	KLINGER LUMBER CO.	KALISPELL	MT	FLATHEAD	SAWMILL	10 MMBF	15	2
7 1994	MONTANA MOKKO	KALISPELL	MT	FLATHEAD	SAWMILL	18 MMBF	50	1
8 1997	TIMBERLINE, INC.	KALISPELL	MT	FLATHEAD	SAWMILL	15 MMBF	40	1
9 2000	AMERICAN TIMBER CO.	OLNEY	MT	FLATHEAD	SAWMILL	90 MMBF	145	1
10 1994	TRICON TIMBER, INC.	DRUMMOND	MT	GRANITE	SAWMILL	40 MMBF	60	1
11 1992	FLATHEAD POST & POLE	DIXON	MT	LAKE	SAWMILL	10 MMBF	80	2
12 1992	PACK RIVER LUMBER CO.	POLSON	MT	LAKE	SAWMILL	24 MMBF	60	2
13 1993	CHAMPION INTERNATIONAL	LIBBY	MT	LINCOLN	SAWMILL	35 MMBF	70	3
14 1993	CHAMPION INTERNATIONAL	LIBBY	MT	LINCOLN	SAWMILL	85 MMBF	150	2
15 1994	LOUISIANA-PACIFIC	LIBBY	MT	LINCOLN	SAWMILL	45 MMBF	110	1
16 1997	BORDER LUMBER CO.	REXFORD	MT	LINCOLN	SAWMILL	15 MMBF	60	1
17 1993	NORTHWESTERN LUMBER & CEDAR, INC.	ST. REGIS	MT	MINERAL	SAWMILL	10 MMBF	20	2
18 1994	CROWN PACIFIC/DAW FOREST PRODUCTS	SUPERIOR	MT	MINERAL	SAWMILL	55 MMBF	160	2
19 1995	MISSOULA WHITE PINE	MISSOULA	MT	MISSOULA	SAWMILL	12 MMBF	25	2
20 2000	PYRAMID MOUNTAIN LUMBER INC.	SEELEY LAKE	MT	MISSOULA	SAWMILL	50 MMBF	65	1
21 1998	DARBY LUMBER INC.	DARBY	MT	RAVALLI	SAWMILL	30 MMBF	80	1
22 1993	F. H. STOLTZE LAND & LUMBER CO.	DARBY	MT	RAVALLI	SAWMILL	20 MMBF	58	1
23 1996	CROWN PACIFIC	THOMPSON FALLS	MT	SANDERS	SAWMILL	44 MMBF	140	2
Total Mills: 23						Totals:	717	1,700

* Note: Code for "timber-related cause" of mill closure

IV. Timber Harvest Summary Data

Federal Timber Statistics – Pacific Northwest

This section provides comprehensive data on the federal timber harvest across the five-state Pacific Northwest, from 1988 to 2000.

In some instances, the figures may overstate the timber that is actually harvestable, because a portion of the sold timber is unavailable for harvest – due to appeals, lawsuits, court injunctions, etc. The volume of timber from the national forests located in the Columbia Basin study area that is restricted is shown below:

- In Eastern Oregon, restricted timber represents 12% of the total volume under contract.
- In Eastern Washington, approximately 2% of the timber volume under contract is restricted.

Timber Unavailable for Harvest Eastern Oregon National Forests December 2000

Deschutes	0
Fremont	10.5
Malheur	1.3
Mt. Hood (Eastside)	3.9
Ochoco	9.5
Umatilla	0
Wallowa-Whitman	2.0
Winema	3.9
Total	31.1 mmbf

Timber Unavailable for Harvest Eastern Washington National Forests December 2000

Gifford Pinchot	2.7
Okanogan	0
Wenatchee	0.8
Colville	0
Total	3.5 mmbf

No restricted timber sales have been identified in Idaho or Montana.

Timber Harvest Summary Data – Pacific Northwest

- Northern California
- Idaho
- Montana
- Oregon
- Washington

Calendar Year Totals 1988-1998 – Federal Timber Statistics

USDAFS Region 1 - Northern Idaho/Montana
 USDAFS Region 5 - California
 USDAFS Region 6 - Oregon/Washington
 BLM - Oregon, O & C & Other Lands

	YEAR	Volume in Million Board Feet				
	YEAR	BLM/OR	REG 1	REG 5	REG 6	TOTAL
HARVEST	1988	1,706	825	1,974	4,698	9,203
	1989	1,248	936	1,758	4,201	8,143
	1990	702	795	1,324	2,916	5,737
	1991	554	689	1,136	2,442	4,821
	1992	560	665	843	1,612	3,680
	1993	389	492	584	1,272	2,737
	1994	81	391	342	700	1,514
	1995	135	243	386	557	1,321
	1996	240	235	270	496	1,241
	1997	153	252	353	561	1,319
	1998	152	239	290	434	1,115
SOLD	1999	175	195	285	382	1,037
	2000	95 E	182	256	273	806
VOLUME	1988	936	826	1,760	4,294	7,816
	1989	703	772	1,116	2,690	5,281
	1990	1,071	627	1,138	4,929	7,765
	1991	521	632	462	676	2,291
	1992	25	375	467	478	1,345
	1993	34	262	413	304	1,013
	1994	17	106	108	190	421
	1995	153	137	277	411	978
	1996	151	337	401	753	1,642
	1997	209	188	273	353	1,023
	1998	277	178	218	489	1,162
	1999	14	147	152	267	580
UNDER CONTRACT AS OF 12/31 EACH YEAR	2000	60	83	141	138	422
	1988	1,576	2,072	2,986	7,589	14,223
	1989	1,032	1,787	2,234	5,460	10,513
	1990	1,335	1,559	2,013	6,215	11,122
	1991	1,271	1,429	1,276	4,223	8,199
	1992	741	1,135	919	2,932	5,727
	1993	398	895	904	1,870	4,067
	1994	306	604	631	1,268	2,809
	1995	357	483	520	1,125	2,485
	1996	285	584	642	1,313	2,824
	1997	360	514	581	1,092	2,547
	1998	462	468	489	1,124	2,543
	1999	319	415	360	975	2,069
	2000	270 E	329	290	839	1,728

All figures net merchantable saw timber.

Source: USDAFS, BLM, Timber Data Co.

Timber Harvest Summary Data – Columbia Basin:

- Idaho
- Western Montana
- Eastern Oregon
- Eastern Washington

Eastern Oregon Timber Harvest by Ownership Million Board Feet

	Forest Industry	Other Private	Total Private	State	Federal	BIA	Total
1988	367	168	535	1	1,290	97	1,893
1989	517	155	672	13	1,407	94	2,188
1990	418	143	561	7	1,051	74	1,692
1991	547	116	663	4	1,123	66	1,857
1992	568	277	845	1	1,416	80	1,725
1993	545	217	762	5	709	65	1,543
1994	514	164	678	5	349	59	1,092
1995	420	140	560	8	342	41	943
1996	391	128	519	3	247	62	831
1997	406	217	624	1	329	73	1,025
1998	443	117	560	3	211	58	831
1999	293	83	376	5	151	53	586

Other timber not identified but contained in total.

Source: Oregon Dept. of Forestry

Eastern Washington Timber Harvest by Ownership Million Board Feet

	Forest Industry	Other Private	Total Private	DNR	Federal	BIA	Total*
1988	364	174	538	116	426	211	1,296
1989	393	224	617	118	434	188	1,359
1990	406	209	615	84	313	145	1,176
1991	387	196	583	68	284	154	1,090
1992	342	308	651	54	205	149	1,063
1993	263	374	637	63	161	156	1,023
1994	238	384	621	49	86	166	922
1995	262	351	613	83	71	194	975
1996	257	321	578	108	147	245	1,078
1997	237	325	562	93	105	224	989
1998	246	256	502	77	57	254	892
1999	211	320	531	89	71	316	1,008

*Small volumes of other non-Federal included in total, but not listed in columns.

Source: USDAFS/PNW Research Station

Montana Timber Harvest by Ownership Million Board Feet

	Private	State	B.I.A.	Federal	Total
1988	608	41	56	513	1,218
1989	638	44	71	562	1,315
1990	612	31	46	550	1,239
1991	524	27	44	345	940
1992	593	38	50	399	1,080
1993	636	19	37	303	995
1994	707	13	23	234	977
1995	693	15	42	168	918
1996	612	25	29	212	878
1997	625	28	29	220	902
1998	587	30	23	204	844

Source: USDAFS/PNW Research Station

Idaho Timber Harvest by Ownership Million Board Feet

	Private	USDAFS		State of		
		Regions 1-4	B.I.A.	BLM	Idaho	Total
1988	698	725	16	14	208	1,661
1989	820	810	13	16	249	1,908
1990	738	757	20	11	227	1,753
1991	866	739	16	24	164	1,809
1992	733	643	18	8	262	1,664
1993	791	586	12	4	217	1,610
1994	855	430	8	8	207	1,508
1995	810	322	13	5	230	1,380
1996	822	338	13	11	229	1,413
1997	879	254	17	8	181	1,339
1998	753	217	13	8	258	1,249

Source: USDAFS/PNW Research Station

V. Timber Harvest – Eastern Oregon

Total Timber Harvest Eastern Oregon
Million Board Feet

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Baker	70	87	46	56	53	37	25	30	30	28	30
Crook	111	81	106	105	83	45	60	29	47	70	31
Deschutes	92	108	151	110	83	71	91	40	57	49	24
Grant	294	263	243	186	178	177	151	72	99	62	54
Harney	77	93	137	64	46	22	26	23	14	10	7
Hood River	65	30	34	26	18	14	27	20	30	23	38
Jefferson	108	62	47	30	36	43	38	18	27	36	32
Klamath	598	376	461	431	484	332	197	228	329	234	112
Lake	187	109	149	145	117	74	88	53	94	50	43
Morrow	65	36	27	31	27	2	9	26	33	34	18
Umatilla	83	90	106	142	102	65	54	20	36	44	36
Union	149	113	135	148	143	85	77	89	54	52	51
Wallowa	145	101	97	111	58	56	44	57	55	73	83
Wasco	162	127	96	88	70	41	27	54	80	56	47
Wheeler	46	51	62	74	57	38	51	88	70	30	18
Total Eastern Oregon	2252	1727	1897	1747	1555	1102	965	847	1055	851	624
All Ownerships											
Total Federal Timber	1404	1018	1091	793	687	340	317	215	319	203	146
Total Private Timber	690	664	665	856	773	688	580	529	527	574	398

Volume as reported by Oregon Department of Forestry

Eastern Oregon
USDA Forest Service Timber Harvest by County
Million Board Feet

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Baker	47.5	49.2	29.6	29.1	18.6	8.4	6.6	13.9	14.4	12.2	14.2
Crook	83.3	55.7	75.1	53.1	43.0	23.4	21.9	6.3	16.6	11.0	7.5
Deschutes	64.3	80.6	78.9	76.8	52.3	54.8	52.9	22.8	53.0	25.2	13.8
Grant	256.1	234.0	222.1	140.0	126.8	104.5	76.7	21.3	27.0	15.5	20.1
Harney	62.2	86.5	132.0	59.3	42.1	16.8	20.1	11.2	11.1	8.9	7.0
Hood River	36.0	17.0	22.5	7.9	1.3	0.7	0.2	3.9	1.0	3.2	3.9
Jefferson	59.9	29.6	16.9	6.5	3.5	0.3	0.8	0.9	10.2	7.6	7.5
Klamath	319.7	197.7	193.7	165.5	215.7	67.2	68.2	63.2	58.0	36.6	11.2
Lake	127.9	72.6	82.3	63.0	71.2	41.8	46.8	16.9	44.1	22.5	20.5
Morrow	37.2	14.4	15.2	11.3	7.1	0.0	0.0	5.7	6.0	9.1	8.2
Umatilla	46.3	29.5	43.8	41.7	21.7	2.7	0.3	3.2	12.3	15.5	6.9
Union	106.6	58.1	62.4	53.4	40.7	14.5	13.8	30.4	21.4	9.2	8.2
Wallowa	87.1	53.5	58.9	48.9	13.2	0.2	1.5	5.4	14.7	14.1	4.9
Wasco	42.3	20.1	31.0	13.4	11.3	4.5	4.9	4.2	14.2	11.1	10.6
Wheeler	28.2	19.8	26.7	22.8	18.6	0.7	3.0	6.0	15.7	1.1	1.3
USDAFS Total											
Eastern OR	1404.6	1018.3	1091.1	792.7	687.1	340.5	317.7	215.3	319.7	202.8	145.8

BLM Timber Harvest Eastern Oregon
Million Board Feet

BLM Total	37.8	49.8	54.5	13.1	22.6	8.6	14.4	34.8	8.9	10.7	9.5
<i>Eastern Oregon</i>											
Klamath Co	22.1	32.5	20.5	11.2	11.0	5.6	10.2	26.5	5.5	8.3	7.4
Deschutes	0.0	6.6	30.7	1.9	11.4	2.8	3.6	4.9	0.0	0.0	1.7
Grant Co.	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0
Baker	3.2	5.7	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0

Note: Several counties had very small volumes which are not included in the totals.

Timber Harvest from Tribal Lands (BIA)
Eastern Oregon
Million Board Feet

Counties	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Jefferson	13.4	23.7	23.1	12.4	13.5	28.8	22.8	14.6	10.2	21.1	20.7	
Wasco	80.6	50.3	43	67.4	51.8	29.5	17	47.1	61.8	36.2	31.9	
Umatilla	0	0	0	0	0	1.1	1.5	0.4	0.7	0.5	0.6	
Total	94.0	74	66.1	79.8	65.3	59.4	41.3	62.1	72.7	57.8	53.2	

Notes: The harvest in Jefferson & Wasco counties is from the Warm Springs Reservation.
The harvest in Umatilla county is from the Umatilla Reservation.

USDA Timber Harvest – E. Oregon
Million Board Feet

<i>Eastern Oregon</i>	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Deschutes	142	110	69	64	43	41	37	17	30	12	20	15
Fremont	154	99	99	62	87	22	18	12	41	19	16	5
Malheur	230	233	213	154	121	109	89	27	37	35	33	16
Ochoco	146	136	180	95	77	28	25	13	19	12	11	10
Umatilla	170	110	111	85	71	12	10	36	32	38	16	9
Wallowa-Whitman	157	167	81	67	58	21	18	26	31	23	22	22
Winema	215	139	111	64	120	22	22	36	15	12	12	11
Subtotal-OR	1214	994	864	591	577	255	219	167	205	151	130	88

Notes: All data show net merchantable saw timber.
Mt. Hood Forest not shown – 90% of harvest is in Westside counties. All federal harvest in Hood River and Wasco counties is from the Mt. Hood National Forest.

Eastern Oregon National Forest Acreage by County

Deschutes N.F. 1,605,704 Acres		Fremont N.F. 1,201,080 Acres		Malheur N.F. 1,465,406 Acres		Ochoco N.F. 851,095 Acres		Winema N.F. 1,039,340 Acres	
Counties	Acres	Counties	Acres	Counties	Acres	Counties	Acres	Counties	Acres
Deschutes	980,443	Klamath	344,593	Grant	1,123,274	Crook	438,238	Klamath	1,039,340
Jefferson	160,549	Lake	856,487	Harney	295,741	Grant	62,183		
Klamath	291,415			Baker	45,786	Harney	225,677		
Lake	173,307					Wheeler	128,997		

Umatilla N.F. 1,095,028 Acres		Wallowa Whitman N.F. 2,261,514 Acres		Mt. Hood N.F. 1,066,867 Acres	
Counties	Acres	Counties	Acres	Counties	Acres
Grant	309,884	Wallowa	1,026,244	Hood River	207,945
Umatilla	375,669	Baker	605,241	*Clackamas	538,265
Wallowa	123,550	Union	515,030	*Marion	66,583
Union	102,268	Umatilla	26,023	*Wasco	172,729
Morrow	143,305	Grant	82,575	*Multnomah	77,575
Wheeler	40,349				

* Note: Counties not located in Columbia Basin study area.

VI. Timber Harvest – Eastern Washington

Total Timber Harvest Eastern Washington

Million Board Feet

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Chelan	74.9	96.6	57.2	43.2	32.7	34.0	79.3	105.7	58.6	21.8	17.7
Columbia	20.6	26.3	10.2	13.0	26.6	21.3	20.0	14.4	10.6	20.5	14.6
Ferry	141.8	112.1	87.6	76.3	69.0	80.2	73.1	78.7	67.9	77.9	69.9
Garfield	17.3	14.5	10.3	4.9	7.1	2.4	1.5	11.2	7.1	0.7	5.5
Kittitas	205.8	178.9	155.7	120.3	91.5	83.3	88.1	102.1	93.3	91.2	83.2
Klickitat	121.7	126.8	129.1	111.6	105.1	88.7	89.8	103.7	75.9	78.6	97.8
Lincoln	3.4	2.4	5.5	5.2	7.9	7.2	9.1	2.9	4.8	6.0	7.5
Okanogan	173.1	102.3	108.9	96.4	106.9	99.7	90.1	124.1	116.8	71.3	85.3
Pend Oreille	124.5	123.7	121.4	133.6	142.7	107.7	97.3	132.6	101.9	132.5	133.9
Skamania	269.6	234.5	198.8	124.1	110.9	94.7	48.8	35.9	55.0	64.8	56.6
Spokane	35.0	42.0	30.4	54.9	68.9	57.3	54.1	54.6	102.1	32.9	35.7
Stevens	201.5	193.6	212.2	217.0	211.2	205.6	203.5	187.6	165.2	156.3	185.8
Yakima	233.6	148.3	152.9	156.9	136.7	115.0	149.9	150.3	172.5	193.7	261.6
Total All Ownerships	1622.8	1402.0	1280.2	1157.4	1117.2	997.1	1004.6	1103.8	1031.7	948.2	1055.1
Total Federal	627	463.4	425.5	286.9	245.8	138.9	90	159.7	135.4	87.8	89.7
Total Private	656.6	657.0	610.0	730.1	657.0	648.0	636.5	593.5	574.1	516.5	546.3

Notes: Counties omitted because they have little or no timber volume: Asotin, Benton, Douglas, Whitman, Walla Walla. Their volumes are in the eastside total

Federal total is USDA Forest Service timber.

Private does not include tribal timber (BIA).

Eastern Washington
USDA Forest Service Timber Harvest By County
Million Board Feet

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Chelan	63.2	68.3	48.0	28.8	13.6	6.5	6.7	83.2	41.6	8.8	8.5
Columbia	11.5	17.5	6.9	3.8	11.7	3.2	4.1	1.1	1.8	4.8	3.3
Ferry	62.1	27.8	30.4	16.5	13.8	14.0	1.8	11.2	10.8	2.7	6.7
Garfield	14.9	14.5	9.6	4.6	5.8	1.5	0.9	10.5	4.3	0.0	3.2
Kittitas	52.8	46.8	40.3	20.7	11.9	9.1	3.1	1.1	2.4	0.4	0.0
Klickitat	2.9	7.9	7.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Okanogan	98.2	28.9	39.8	32.1	27.5	22.2	19.7	17.5	11.8	10.5	11.9
Pend Oreille	36.3	34.9	41.0	39.0	31.1	11.4	17.6	11.8	8.0	20.0	20.9
Skamania	193.5	150.1	141.2	81.7	85.7	53.2	18.7	12.3	30.6	29.1	19.0
Stevens	23.9	29.9	31.6	20.1	22.0	9.8	15.1	4.9	16.5	7.1	11.5
Yakima	67.6	33.5	27.4	34.1	20.6	7.0	1.7	0.5	7.1	4.4	4.7
Total E. Washington	627	463.4	425.5	286.9	245.8	138.9	90	159.7	135.4	87.8	89.7

Note: Counties with very small volumes are not listed. Their volumes are combined in Eastern Washington totals.

Timber Harvest from Indian Tribal Lands (BIA)
Eastern Washington
Million Board Feet

Counties	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Ferry	42.0	37.0	32.5	29.2	28.4	37.7	48.3	41.9	37.4	60.5	NA	
Klickitat	8.3	21.5	19.8	6.6	4.9	9.9	0.0	3.4	0.0	0.0	NA	
Okanogan	32.0	16.1	23.9	26.7	26.2	31.3	23.7	46.4	36.8	27.0	NA	
Stevens	0.0	0.0	0.0	0.0	7.5	8.7	0.0	14.7	15.6	14.6	NA	
Yakima	105.9	70.1	76.0	86.4	89.2	78.6	122.2	138.4	134.3	152.0	NA	
Total	188.159	144.7	154.3	149.0	156.2	166.3	194.2	244.7	224.2	254.1	316	

Note: The harvest in Klickitat and Yakima Counties is from the Yakama Indian Reservation.

The harvest in Okanogan and Ferry Counties is from the Colville Reservation.

The harvest in Stevens County is from the Spokane Indian Reservation.

Eastern Washington National Forests Acreage by County

Okanogan N.F. 1,500,891 Acres		Wenatchee N.F. 1,683,924 Acres		Colville N.F. 953,786 Acres		Gifford Pinchot 1,311,609 Acres	
Counties	Acres	Counties	Acres	Counties	Acres	Counties	Acres
Okanogan	1,500,891	Chelan	1,326,181	Ferry	475,900	Yakima	37,552
		Kittitas	357,741	Oreille	269,621	Klickitat	14,452
				Stevens	208,265	Skamania	850,820
						*Lewis	373,755
						*Cowlitz	34,225

Western Washington / Eastern Oregon National Forests Acreage by County**

Mt Baker-Snoqualmie 523,013 Acres		Umatilla N.F. 308,764 Acres		Panhandle N.F. 268,176 Acres	
Counties	Acres	Counties	Acres	Counties	Acres
Yakima	466,573	Asotin	53,797	Pend Oreille	256,402
Kittitas	56,440	Columbia	159,500	Stevens	11,774
		Garfield	95,467		

Note:

* Counties not in study area.

** National Forests which encompass both eastside and Westside counties. Shows forest acreage in Eastern Washington counties.

USDAFS Timber Harvest Data Eastern Washington Million Board Feet

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<i>Eastern Washington</i>												
Okanogan	96	25	37	34	25	18	18	13	11	11	11	4
Wenatchee	163	133	116	79	35	21	15	57	28	7	12	11
Colville	117	90	95	75	54	33	34	25	33	27	37	20
Gifford Pinchot	354	241	221	134	124	75	32	14	37	32	29	11
Subtotal Washington	730	489	469	322	238	147	99	109	109	77	89	46

Note: All data show net merchantable saw timber.

VII. Timber Harvest – Idaho

Idaho Private Timber Harvest
1989 to 1999
Million Board Feet

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
N. Idaho											
Boundary	20.8	33.2	25.6	25.7	26.5	35.1	32.3	24.1	32.0	30.7	48.6
Bonner	81.3	84.5	100.7	81.8	97.9	111.4	86.9	83.2	87.4	71.0	83.1
Kootenai	96.7	88.3	82.4	86.4	103.8	101.7	93.6	80.9	122.5	98.2	112.4
Shoshone	93.5	96.2	102.2	108.8	104.3	134.9	140.5	128	147.9	130.2	132.4
Benewah	79.7	85.7	84.5	71.6	81.2	84.9	92.5	106.7	128.6	115.8	130.4
Latah	55.5	58.1	63.6	57.9	72.1	72.5	77.6	78	73.8	74.7	79.6
Clearwater	161.5	141.2	207.5	123.6	125.8	122.4	134.5	168.4	152.1	132.5	124.8
Idaho	81.2	66.1	47	53.3	50.7	63.7	48.9	65.1	51.6	34.3	82.7
Lewis	18	22.6	24.2	18.6	15.1	15.7	16.1	10.3	9.1	6.8	11.1
Nez Perce	26.6	7.4	13.9	8.8	13.8	11.1	7.0	5.4	7.9	5.9	11.0
Sub total N. Idaho	714.8	683.3	751.6	636.5	691.2	753.4	729.9	750.1	807.9	700.1	816.1
S. Idaho											
Adams	19.4	13.8	23.1	13.1	18.7	26.9	17.5	10.1	13.9	10.0	12.2
Valley	37.3	14.2	32.1	25.5	25.5	27.5	16.2	29.0	14.2	10.3	26.6
Boise	19.6	15.5	30.5	30.2	26.6	21.4	21.7	16.0	21.1	18.8	18.3
Elmore	0.0	1.2	3.7	5.7	12.2	4.0	6.4	2.1	3.0	6.1	2.6
Washington	0.4	1.3	2.4	3.2	2.8	1.1	2.2	0.0	2.7	0.0	3.3
Bingham	3.4	1.8	10.0	0.5	1.8	2.3	1.6	1.5	2.2	2.7	1.9
Owyhee	1.4		1.7	2.3	2.0	3.0	2.9	0.7	0.5	0.7	2.7
Bannock	1.4	4.1	6.9	6.0	2.5	1.1	0.7	0.1	3.0	0.7	0.0
Sub total S. Idaho	84.3	54.9	113.7	95.3	99.4	101.6	80.0	72.3	70.7	53.3	72.0
Total Idaho	799.1	738.4	865.0	732.8	790.6	855.0	809.9	822.4	878.6	753.4	888.0
Total Federal Timber	746	704	684	596	538	391	287	304	254	217	145

Notes: Counties with very small or no harvest have been omitted. Their volumes are combined in the total.
Federal timber data in Region 1 & Region 4 includes some wood not classified as saw timber.

Idaho National Forests

Acreage by County

Northern Idaho National Forest

Panhandle N.F. 2,501,393 Acres		Clearwater N.F. 1,680,629 Acres		Nez Perce N.F. 2,224,108 Acres		Kootenai N.F. 46,480 Acres		Bitterroot N.F. 464,108 Acres	
Counties	Acres	Counties	Acres	Counties	Acres	Counties	Acres	Counties	Acres
Benewah	35,651	Clearwater	762,631	Idaho	2,224,108	Bonner	35,909	Idaho	464,108
Bonner	436,746	Idaho	869,818			Boundary	10,571		
Boundary	478,955	Shoshone	48,014						
Clearwater	39,818								
Kootenai	244,862								
Latah	112,116								
Shoshone	1,153,247								

Southern Idaho National Forest

Payette N.F. 2,323,225 Acres		Boise N.F. 2,652,691 Acres		Salmon N.F. 1,772,132 Acres		Sawtooth N.F. 1,732,059 Acres		Challis N.F. 2,464,521 Acres		Targhee N.F. 1,312,320 Acres	
Counties	Acres	Counties	Acres	Counties	Acres	Counties	Acres	Counties	Acres	Counties	Acres
Adams	511,041	Boise	867,968	Idaho	66,074	Blaine	488,689	Butte	222,742	Bonneville	175,618
Idaho	804,322	Gem	60,968	Valley	71,616	Camas	322,546	Custer	1,874,113	Butte	48,320
Valley	884,187	Valley	1,075,201	Lemhi	1,634,442	Cassia	387,053	Lemhi	362,305	Clarke	356,507
Washington	123,675	Elmore	645,352			Custer	249,541			Fremont	525,911
						Elmore	149,753			Lemhi	76,490
						Oneida	15,069			Madison	41,460
						Power	29,752			Teton	88,013
						Twin Falls	92,655				

Cache N.F. 263,941 Acres		Caribou N.F. 972,201 Acres	
Counties	Acres	Counties	Acres
Bear Lake	136,067	Bannock	118,995
Caribou	22,511	Bear Lake	93,911
Franklin	105,363	Bonneville	307,349
		Caribou	352,976
		Franklin	16,298
		Oneida	76,538
		Power	6,134

USDAFS Timber Harvest-Idaho
Million Board Feet

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Region 1 North Idaho												
Clearwater	113	116	122	91	75	71	34	19	40	24	9	9
Panhandle	247	214	217	178	132	86	66	67	59	76	70	77
Nez Perce	85	63	63	73	59	60	30	24	19	16	16	14
North Idaho Total	445	393	402	342	266	217	130	110	118	116	95	100
Region 4 South Idaho												
Boise	63	125	84	79	171	72	86	88	57	35	20	17
Payette	78	82	93	87	28	38	24	61	41	36	10	13
Sawtooth	2	0	1	0	2	9	1	9	1	1	1	1
Caribou/Targhee	87	43	37	20	8	10	7	10	10	10	6	4
Salmon/Challis	20	14	14	22	17	10	10	7	4	5	1	2
South Idaho Sub Total	250	264	229	208	226	139	128	175	113	87	38	37
Idaho Total	695	657	631	550	492	356	258	285	231	203	133	137

Note: All data show net merchantable saw timber

VIII. Timber Harvest – Western Montana

Private Timber Harvest – Western Montana
Million Board Feet

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Beaverhead	3.0	0.9	0.3	0.3	2.8	4.8	1.9	2.1	3.4	0.6	1.1
Broadwater	0.8	1.5	2.0	2.6	2.0	2.7	3.0	2.4	3.4	2.4	1.8
Deerlodge	2.6	6.9	5.5	2.2	4.7	4.9	4.8	4.1	4.7	6.7	8.1
Flathead	132.5	112.1	46.8	104.3	97.4	112.0	129.3	99.9	97.4	91.6	98.2
Granite	19.6	20.7	20.9	20.8	16.7	18.8	14.4	17.8	15.1	25.6	32.2
Jefferson	4.5	4.9	4.4	5.9	2.8	4.0	2.0	2.0	3.6	3.7	5.4
Lake	24.5	22.0	27.4	20.9	33.7	35.2	32.9	48.9	27.2	24.8	35.5
Lewis & Clark	13.4	12.9	8.5	10.9	12.0	17.2	13.3	12.6	20.9	23.8	26.3
Lincoln	137.2	118.3	101.3	78.4	84.1	93.2	90.4	87.1	98.6	93.6	94.3
Madison	11.0	6.8	7.6	10.7	8.5	8.4	4.9	2.0	3.1	5.5	3.9
Mineral	13.6	8.6	12.1	14.9	9.5	13.2	14.8	19.5	16.3	11.9	19.0
Missoula	121.1	96.8	97.4	92.8	105.0	97.8	115.9	92.0	93.5	120.7	116.7
Powell	22.1	29.2	28.3	36.4	36.9	39.4	32.6	26.5	39.8	30.2	41.3
Ravalli	13.0	32.0	22.3	19.5	30.1	31.2	27.3	20.1	11.9	10.7	11.0
Sanders	51.6	45.4	40.9	49.5	57.7	51.0	41.0	43.6	39.1	46.0	58.4
Silver Bow	3.3	2.6	0.9	7.4	5.8	4.3	2.7	1.5	1.7	0.9	0.6
Total 16 Counties	573.8	521.6	426.6	477.5	509.7	538.1	531.2	482.1	479.7	498.7	553.8

USDAFS Timber Harvest-Montana
Western National Forests
Million Board Feet

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Region 1 Montana												
*Beaverhead	6	18	9	3	4	7	3	4	7	10	6	6
Bitterroot	20	17	8	8	9	3	5	6	6	7	3	1
Custer	13	1	2	2	1	3	3	2	0	1	5	0
*Deerlodge	25	19	5	9	4	6	6	4	0	0	0	0
Flathead	70	43	44	52	28	17	15	16	15	18	7	6
Gallatin	12	14	10	4	9	6	2	4	2	1	4	2
Helena	17	20	12	12	3	6	4	4	6	8	4	2
Kootenai	223	181	151	155	106	70	50	54	49	41	45	33
Lewis & Clark	11	8	11	17	5	14	9	4	11	8	4	11
Lolo	95	81	35	63	58	42	17	27	38	29	22	21
Total	492	402	287	325	227	174	114	125	134	123	100	82

Notes: *Beaverhead and Deerlodge Counties merged in 1997.
All data show net merchantable saw timber.

Montana National Forests

Kootenai N.F. 1,765,655 Acres		Panhandle N.F. 454,524 Acres		Flathead N.F. 2,353,049 Acres		Lolo N.F. 2,111,728 Acres		Bitterroot N.F. 1,117,082 Acres	
Counties	Acres	Counties	Acres	Counties	Acres	Counties	Acres	Counties	Acres
Lincoln	1,715,198	Sanders	432,347	Flathead	1,716,145	Flathead	16,697	Missoula	7,840
Flathead	48,325	Lincoln	22,177	Lake	156,602	Granite	218,080	Ravalli	1,109,242
Sanders	2,132			Missoula	170,285	Lewis & Clark	74,972		
				Powell	253,390	Mineral	645,343		
				Lewis & Clark	40,818	Missoula	513,328		
				Lincoln	15,800	Powell	146,622		
						Ravalli	8,131		
						Sanders	486,555		

Helena N.F. 975,413 Acres		Lewis & Clark N.F. 1,862,289 Acres		Deer Lodge 1,194,108 Acres		Beaverhead 2,128,767 Acres	
Counties	Acres	Counties	Acres	Counties	Acres	Counties	Acres
Broadwater	186,636	*Cascade	178,635	Deer Lodge	72,415	Beaverhead	1,370,346
Jefferson	100,403	*Chouteau	30,713	Granite	444,400	Deer Lodge	105,008
Lewis & Clark	466,851	*Fergus	94,971	Jefferson	362,918	Madison	614,666
*Meagher	66,124	*Glacier	28,688	Madison	77,820	Silver Bow	38,712
Powell	155,399	*Golden Valley	23,693	Powell	85,321		
		*Judith Basin	297,427	Silver Bow	151,324		
		Lewis & Clark	406,133				
		*Meagher	390,715				
		*Pondera	106,630				
		*Teton	234,988				
		*Wheatland	64,919				

Note: * Denotes counties located outside Columbia Basin study area.

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